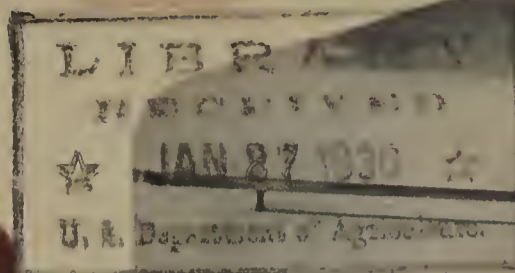


## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.



*"Grandma also bought  
Famous Faribo Seeds"*



## Golden Jubilee COLLECTION

**Minhybrid Sweet Corn**  
Pkt. 10c; 1/2 lb. 25c; lb. 40c,  
prepaid.

**Taxpayer Cucumber**  
Pkt. 10c; 1/4 lb. 30c, prepaid.

**Phenomenal Tomato**  
Pkt. 15c; 1/2 oz. 35c, prepaid.

**Early Northern Sweet  
Watermelon**  
Pkt. 8c; oz. 15c, prepaid.

1 Pkt. each  
above 4 varieties,  
prepaid

**35¢**

# FAIRMIER

## SEED & NURSERY CO.

Faribault, Minn. • 1938 •

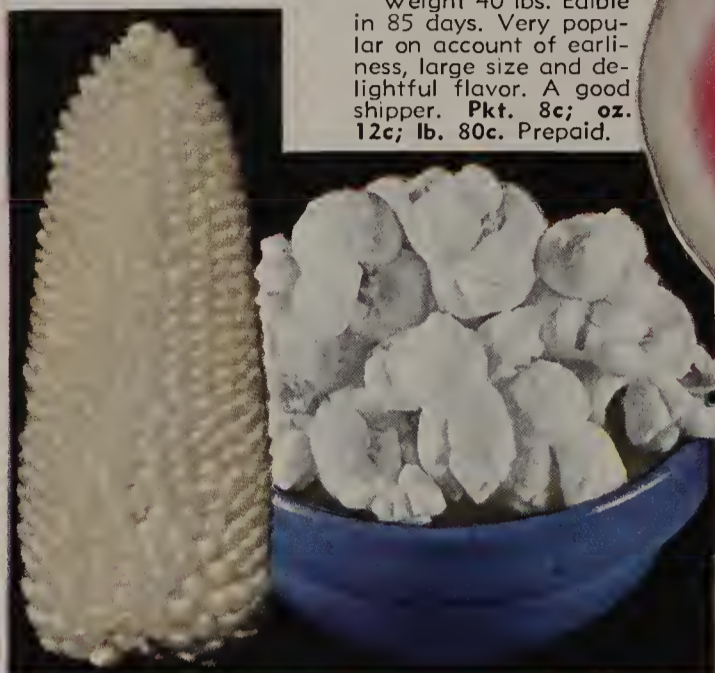


# Anniversary Garden Collection

## Watermelon

No. 369  
EARLY KANSAS or RED  
SEEDED HUTCHINSON

Weight 40 lbs. Edible in 85 days. Very popular on account of earliness, large size and delightful flavor. A good shipper. Pkt. 8c; oz. 12c; lb. 80c. Prepaid.



## Popcorn

No. 250 — HYBRID  
JAPANESE HULLESS

16% greater yield, 29% more popping volume. Finest flavored, crisp and tender. Pkt. 8c; 1/4 lb. 20c; 1/2 lb. 30c. Prepaid. (Page 13).

## Wax Beans

No. 10—TOP NOTCH

Newest, early maturing variety. Disease resistant, tender, rich flavored, exceptional yielder. Pkt. 8c; 1/2 lb. 20c; lb. 35c. Prepaid. (Page 7).

## Squash

No. 605—TABLE QUEEN

Early maturing; thin-shelled; fine baking; real quality. Pkt. 5c; oz. 15c; 1/4 lb. 40c. Prepaid. (Pg. 25).



## Beets

No. 86—EARLY RED BEAUTY

Best bunching or pickling beet. Globe-shaped, solid dark red color. Pkt. 8c; oz. 15c; 1/4 lb. 40c; lb. \$1.25. Prepaid. (Page 8).



## Sweet Corn

No. 223—EARLY SUNSHINE

Earlier than Golden Bantam. Large ears, tender and delicious. Pkt. 8c; 1/2 lb. 20c; lb. 35c. Prepaid. (Page 12).

## Peas

No. 475—TENDER GIANT

Midseason, dwarf variety; heavy cropper. Sweet and tender. Pkt. 8c; 1/2 lb. 22c; lb. 40c. Prepaid. (Page 21).

## Radish

No. 531—FIRECRACKER

Distinct type. Bright scarlet color. Early and always sound and crisp. Pkt. 8c; oz. 15c; 1/4 lb. 30c. (Page 24).



Anniversary  
Garden  
Collection

1 pkt. each these 8  
outstanding varie-  
ties. Value 61c.

ALL  
FOR **45¢**  
PREPAID

NOTE—These prices are exceptionally low and may have to be advanced at any time—Order early.

# BLUE FIGURE PRICE LIST

Prices subject to market changes, stocks being unsold; bags included in weight.

THE FARMER SEED & NURSERY CO. guarantee satisfaction to every customer. Complaints, if justified, will be adjusted to the amount remitted, however THE FARMER SEED & NURSERY CO. give no warranty, express or implied, as to the descriptions, productiveness, or any other matter of any

seeds, bulbs or plants they send out, and will not be in any way responsible for the crop. Purity and germination tests are given for guidance only, and without guarantee. If the purchaser does not accept goods on these terms, they are to be returned at once. All prices are F. O. B. Faribault.

FARMER SEED & NURSERY CO., FARIBAULT, MINN., Jan. 12, 1938

## EXCEPTIONAL "LOT OFFERS" FOR EARLY ORDERS

### LOT "ECONOMY" TIMOTHY AND ALSIKE CLOVER

This lot contains 20-25% finest quality Alsike Clover, balance Timothy. All Minnesota grown seed of highest purity, and no noxious weeds.

This is our most popular mixture—produces excellent permanent pasture and more tons of hay per acre than most perennial Grass Mixtures. Easy to grow and relished by all stock.

Price: 25 lbs., \$2.85; 50 lbs., \$5.50; 100 lbs., \$10.85.

### LOT "PURITY" ALSIKE CLOVER

Pure Alsike Clover—beautiful seed—bright color—high purity, and no noxious weeds. Minnesota's finest strain—a real bargain for all who order now. While this lot is available, the price is only—Peck, \$5.15; ½ bu., \$10.10; bu., \$20.00; 100 lbs., \$33.00.

### LOT "TONNAGE" HYBRID SILO CORN

Pays back your seed cost several times over through 25% extra tonnage. State Registered Seed that produces large, uniform ears—resists drought, heat and cold. Stays green longer than other varieties and does not lodge. Be the first to benefit from this new Hybrid. Only a limited amount of seed is available—so order early. See page 72.

Price—in State Sealed Bags—Flat Grade, \$5.00 bu. Small Grade, \$4.50 bu. Round Grade, \$4.00 bu.

### LOT "DEPENDABLE" ALFALFA

Variegated Strain. Minnesota Grown.

This seed comes from some of the oldest Alfalfa fields in northern Minnesota. For years it was sold as Grimm, though since the fields have not been registered, it cannot be sold as such. Nevertheless it produces the same variegated blossoms and has the characteristics of Grimm, including super hardiness. A real saving in cost to those who order while this lot is available.

Price: Peck, \$6.15; ½ bu., \$12.10; bu., \$23.50; 100 lbs., \$38.85.

### LOT "RESISTANT" THATCHER WHEAT

No worry about rust wiping out a valuable wheat crop if you plant this new Rust-Resistant variety. The fame of Thatcher has spread throughout the wheat belt—and no more dependable crop insurance can be found anywhere. In addition, Thatcher yields from 5 to 20 bushels more per acre than other spring wheat varieties under normal conditions. It resists drought, and is of finest milling and baking quality. Owing to the wide popularity of Thatcher Wheat and the tremendous demand, only 1,000 bushels are reserved for sale at this price. Your early order is therefore advisable.

Price: Peck, 50c; bu., \$1.80; 10 bu., at \$1.75 bu. Bags Free.

### LOT "RECORD" GOLDEN POTATO

Grown from Certified Seed

We have a limited amount of second size New Golden Potatoes. This is the record yielding, golden-fleshed, late storage potato—originated by the Department of Agriculture. Yields as high as 535 bushels per acre have been reported, and up to now sufficient seed has not been available. (See Page 23 for description).

Second size potatoes will plant more ground and produce equally good crops as the larger size. Orders will be filled while stocks hold out at the following prices: Peck, 40c; bu., \$1.15; 5 bu at \$1.10 bu.

## MINNESOTA-GROWN CLOVER

(Bu. 60 lbs.) FREE FROM NOXIOUS WEEDS				
Prices include bags	Purity %	Peck	Bu.	100 Lbs.
MEDIUM RED CLOVER				
Master Farmer Brand.....	99.45	\$6.05	\$23.55	\$39.00
Fancy.....	98.00	5.95	23.25	38.50
MAMMOTH CLOVER				
Master Farmer Brand.....	99.00	6.35	24.75	41.00
WHITE DUTCH CLOVER				
Fancy.....	98.25	5.95	23.00	38.00
ALSIKE CLOVER				
Master Farmer Brand.....	99.00	5.35	20.85	34.50
Fancy.....	98.00	5.30	20.55	34.00
SWEET CLOVER, WHITE BLOSSOM				
Master Farmer Brand.....	99.50	2.00	7.35	12.00
Fancy.....	98.00	1.90	7.00	11.50
SWEET CLOVER, GRUNDY COUNTY				
Master Farmer Brand.....	99.50	2.00	7.35	12.00
Fancy.....	98.00	1.90	7.00	11.50
SWEET CLOVER, YELLOW BLOSSOM				
Master Farmer Brand.....	99.50	2.05	7.65	12.50
Fancy.....	98.00	2.00	7.35	12.00
SWEET CLOVER, HUBAM ANNUAL WHITE				
Master Farmer Brand.....	98.00	3.95	15.15	25.00
HARBIN LESPEDEZA—U. S. D. A.				
STRAIN No. 65280.....	98.00	3.95	15.15	25.00
1 lb., 40c; 5 lbs., \$1.85, postpaid.				

## ALFALFAS—U. S. VERIFIED ORIGIN

(NOTE—Registered and State Sealed Grimm is put up in 30-lb., 50-lb., 60-lb. Sealed Bags.)

	Purity %	Peck	Bu.	100 Lbs.
DAKOTA NO. 12, MINNESOTA GROWN				
Master Farmer Brand.....	99.35	\$6.05	\$23.55	\$39.00
Fancy.....	98.00	5.95	23.25	38.50
MINNESOTA OR IDAHO GROWN COMMON				
Master Farmer Brand.....	99.40	6.05	23.55	39.00
GRIMM—MINNESOTA STATE SEALED AND REGISTERED				
Blue Tag.....	99.50	6.90	27.15	45.00
GRIMM—IDAHO STATE SEALED AND REGISTERED				
Blue Tag.....	99.50	6.80	26.55	44.00
GRIMM—MINNESOTA GROWN				
(Not for sale in Minnesota or Wisconsin)				
Growers' Affidavit				
Master Farmer Brand.....	99.40	6.20	24.15	40.00
VARIEGATED—MINNESOTA GROWN (Similar to Grimm)				
Master Farmer Brand.....	99.40	6.20	24.15	40.00
COSSACK				
Master Farmer Brand—Growers' Affidavit.....	99.00	6.80	26.55	44.00
COSSACK—Idaho State Sealed and Registered				
Blue Tag.....	99.50	7.40	28.95	48.00
LADAK—Reg.—Blue Tag—Idaho.....	99.50	7.55	29.55	49.00
1 lb., 65c; 5 lbs., \$3.00, postpaid.				

## HARDY GRASSES

Prices include sacks	25 Lbs.	50 Lbs.	100 Lbs.
TIMOTHY (Bu. 45 lbs.)			
Master Farmer Brand.....	\$1.40	\$2.55	\$4.90
Fancy.....	1.35	2.45	4.65
TIMOTHY AND ALSIKE (Bu. 50 lbs.)			
20-25% Alsike.....	3.00	5.75	11.25
30-35% Alsike.....	3.75	7.20	14.00
BROMUS INERMIS—Extra Fancy.....	6.45	12.65	25.00
REED CANARY GRASS			
Master Farmer—Certified Minn. Grown.....	7.75	15.25	30.00
Sealed bags—40c per lb. postpaid.			
Fancy-Grown from certified seed.....	7.25	14.25	28.00
CRESTED WHEAT GRASS.....	12.00	23.75	47.00
DOMESTIC RYE GRASS.....	2.75	5.25	10.00
ORCHARD GRASS.....	4.75	9.25	18.00

Prices include sacks	25 Lbs.	50 Lbs.	100 Lbs.
KENTUCKY BLUE GRASS			
Master Farmer Brand.....	\$4.00	\$7.65	\$15.00
Fancy.....	3.85	7.40	14.50
CREEPING BENT			
1 lb., 70c, prepaid; 65c per lb., not prepaid.			
MEADOW FESCUE.....	3.50	6.65	13.00
RED TOP			
Master Farmer Brand.....	4.00	7.65	15.00
Fancy.....	3.85	7.40	14.50
ALL SEASON PASTURE AND MEADOW MIXTURE.....	5.30	10.25	20.00
MIXTURES FOR LOW WET GROUND.....	5.30	10.25	20.00
MIXTURE FOR THIN ALFALFA STANDS.....	6.35	12.40	24.50
PERMANENT HOG PASTURE.....	5.30	10.25	20.00
ANNUAL HOG PASTURE.....	1.85	3.40	6.50
LAWN MIXTURES—See Page 5.			

## MINNESOTA-GROWN SEED POTATOES

PRICES SUBJECT TO MARKET CHANGES—Bags free. If wanted in barrels, add 25c per bbl. of 3 bushels.

SPRING SHIPMENT	Peck	Bu.	5 Bu.	SPRING SHIPMENT	Peck	Bu.	5 Bu.
Early White Gold, Certified.....	\$0.50	\$1.55	\$1.50	Green Mountain.....	\$ .45	\$1.35	\$1.30
Early White Gold, Not Certified.....	.45	1.35	1.30	Rural New Yorker.....	.45	1.35	1.30
Early White Gold, Second Size.....	.40	1.05	1.00	Katahdin, Certified.....	.50	1.55	1.50
Warba, Red River.....	.45	1.35	1.30	New Golden, Certified—10 lbs., 65c, ppd. to 3rd zone..	.50	1.60	1.50
Early Ohio, Red River.....	.45	1.35	1.30	New Golden, Second Size.....	.40	1.15	1.10
Chippewa, Certified.....	.50	1.55	1.50	Early Irish Cobblers.....	.45	1.35	1.30
Chippewa, grown from Certified seed.....	.45	1.35	1.30				

YOU PAY NO SALES TAX WHEN YOU SEND YOUR ORDER TO US.

# FARMER SEED & NURSERY CO'S Blue Figure Price List

## IMPROVED SEED GRAINS

Prices include sacks	Peck	Bu.	5 Bu. @	10 Bu. @
<b>WHEAT (Bu. 60 lbs.)</b>				
Hope—Rust and Smut Resistant.....	\$0.60	\$1.80	\$1.75	\$1.70
Thatcher—Rust Resistant, Registered....	.65	1.95	1.90	1.85
Mindum Durum.....	.60	1.80	1.75	1.70
<b>SPELTZ OR EMMER (Bu. 40 lbs.).....</b>	<b>.45</b>	<b>1.25</b>	<b>1.20</b>	<b>1.15</b>
<b>OATS (Bu. 32 lbs.)</b>				
Minrus, Rust Resistant, Registered.....	.30	.75	.70	.65
New Anthony, Rust Resistant, Registered	.35	.85	.80	.75
Iogold, Rust Resistant, Registered.....	.30	.75	.70	.65
Iowa No. 105.....	.30	.70	.65	.60
Gopher, Registered.....	.30	.75	.70	.65
Gopher, Not Registered.....	.30	.70	.65	.60
Early Yellow Kherson.....	.30	.70	.65	.60
<b>BARLEY (Bu. 48 lbs.)</b>				
Peatland.....	.45	1.45	1.40	1.35
Velvet No. 447, Registered.....	.40	1.35	1.20	1.15
Wisconsin Pedigree No. 38, Registered....	.45	1.35	1.30	1.25
<b>SPRING RYE (Bu. 56 lbs.) Registered.....</b>	<b>.50</b>	<b>1.60</b>	<b>1.55</b>	<b>1.50</b>
<b>ROSEN WINTER RYE.....</b>	<b>.40</b>	<b>1.25</b>	<b>1.20</b>	<b>1.15</b>
<b>FLAX (Bu. 56 lbs.)</b>				
Red Wing, Rust and Wilt Resistant.....	.85	2.90	2.85	2.80
Bison, Rust and Wilt Resistant.....	.85	2.85	2.80	2.75
Common.....	.80	2.60	2.55	2.50
<b>BUCKWHEAT (Bu. 50 lbs.)</b>				
Japanese.....	.50	1.60	1.55	1.50
Silver Hull.....	.50	1.60	1.55	1.50

## RAPE, CANE, SUDAN GRASS, MILLET

	10 Lbs.	25 Lbs.	50 Lbs.	100 Lbs.
<b>RAPE</b>				
Dwarf Essex—Holland Grown, Extra				
Fancy.....	\$1.25	\$2.50	\$4.65	\$9.00
<b>SUGAR CANE</b>				
Minnesota Early Amber Sorghum.....	.65	1.35	2.40	4.50
Waconia Orange Sorghum—Minnesota....	.65	1.35	2.40	4.50
Dakota Amber Cane.....	1.95	3.95	7.65	15.00
Fodder Cane, Minnesota Grown.....	.60	1.25	2.15	4.00
<b>SUDAN GRASS, Master Farmer.....</b>	<b>.65</b>	<b>1.35</b>	<b>2.40</b>	<b>4.50</b>
<b>SUNFLOWER SEED</b>				
Mammoth Russian.....	1.05	2.10	3.90	7.50
<b>MILLET</b>				
Golden or German.....	.65	1.25	2.15	4.00
Siberian.....	.60	1.15	2.00	3.75
Hungarian.....	.75	1.45	2.55	4.75
White Wonder.....	.55	1.10	1.90	3.50
Japanese (Billion Dollar Grass), Fancy...	.60	1.15	2.00	3.75
White Proso or Hog.....	.55	1.10	1.90	3.50
Early Fortune.....	.55	1.10	1.90	3.50
Turghai Proso.....	.65	1.25	2.15	4.00

## FIELD PEAS, VETCHES

(Bu. 60 lbs.)	Peck	Bu.	100 Lbs.
<b>CANADA YELLOW FIELD PEAS</b>			
Chancellor, Early Registered.....	\$0.80	\$2.80	\$4.50
<b>VETCHES, Hairy or Winter (Minn. Grown).....</b>	<b>2.05</b>	<b>7.65</b>	<b>12.50</b>

## SOY BEANS

(Bu. 60 lbs.)	Peck	Bu.	100 Lbs.
Mukden, Minnesota or Iowa Grown.....	\$0.50	\$1.65	\$2.60
Habaro, Minnesota Grown, Registered.....	.55	1.75	2.75
Illini, Iowa Grown.....	.50	1.65	2.60
Manchu, Minnesota Grown.....	.50	1.65	2.60
Manchu, Minnesota Grown, Registered.....	.55	1.75	2.75
Manchu, Iowa Grown.....	.50	1.60	2.50

## TREAT YOUR SEED CORN WITH BARBAK 111

This Dependable Corn Seed Disinfectant Insures

1. Earlier planting:—Barbak-treated seed will not rot in cold, damp ground.
2. Increased germination and stand—  
Barbak 111 disinfects and protects the plant past the seedling stage, allowing stored plant food in the seed to do its real job of growing.
3. Less root and stalk rots:—Barbak 111 has strong disinfectant qualities.
4. An increase in yield per acre:—At a cost of 2c per acre.  
In many cases the increase in yield pays the harvesting costs.  
Price: 2 oz. pkt., 20c; 4 oz. tin (15 acre size), 35c, prepaid. Not prepaid, 1 lb. tin (60 acre size), 75c; 5 lb. tin, \$3.25.

## MINNESOTA-GROWN SEED CORN

Hybrid Corn—1/2 bushel, 1 bushel and 2 1/2 bushel State Sealed Bags.  
All other Certified Seed Corn in 1-bushel, 2-bushel and 2 1/2-bushel State Sealed Bags.  
See catalog for descriptions and adaptability of varieties.  
Prices subject to market changes and stocks being unsold. State sealed and registered. Germination guaranteed 90% or better. (State Laboratory tests show 95%-98%.)  
**TERMS:** Cash with order or a down payment of 25% or more will hold the corn until April 1, 1938.

## MINNESOTA MASTER HYBRIDS

All Master Hybrid Seed comes to you already treated with Barbak, the dependable Corn Treatment. (See Page 73.)  
**SPECIAL:** Hybrid small and round kernels will produce just as well as flat kernels—BESIDES—they are cheaper and plant more acres! Use special planter plates or Hill Drop Planters. **FREE:** With a 5 bu. order for Hybrid Small or Round kernels—a set of the proper planter plates for John Deere 999 or International Planters—if requested.

### State Sealed and Registered

	Peck	1/2 Bu.	Bu.
<b>MINHYBRID 301 (E x B164) Flat Graded.....</b>	<b>\$2.00</b>	<b>\$3.75</b>	<b>\$7.50</b>
Small or Tip Kernels.....	1.75	3.25	6.50
Round Kernels.....	1.50	2.75	5.50
<b>MINHYBRID 401 (E x K) Flat Graded.....</b>	<b>1.75</b>	<b>3.25</b>	<b>6.50</b>
Small or Tip Kernels.....	1.50	2.75	5.50
Round Kernels.....	1.25	2.25	4.50
<b>MINHYBRID 402 (E x I) Flat Graded.....</b>	<b>1.75</b>	<b>3.25</b>	<b>6.50</b>
Small or Tip Kernels.....	1.50	2.75	5.50
Round Kernels.....	1.25	2.25	4.50
<b>MINHYBRID 403.....</b>			<b>Sold Out</b>
<b>MASTER HYBRID NO. 2, Flat Graded.....</b>	<b>2.25</b>	<b>4.00</b>	<b>8.00</b>
Small or Tip Kernels.....	2.00	3.50	7.00
Round Kernels.....	1.75	3.00	6.00

## WISCONSIN MASTER HYBRIDS

### State Sealed and Registered

	Peck	1/2 Bu.	Bu.
<b>WISCONSIN 90, 95, 100, 105, 110, 115 and 120 Day,</b>			
Flat Graded, Your Choice.....	\$2.00	\$3.75	\$7.50
Small Kernels.....	1.75	3.25	6.50
Round Kernels.....	1.50	2.75	5.50
<b>HYBRID SILO CORN "Lot Tonnage" Flat Grade....</b>	<b>1.50</b>	<b>2.75</b>	<b>5.00</b>
Small Kernels.....	1.35	2.50	4.50
Round Kernels.....	1.20	2.25	4.00

## OPEN POLLINATED SEED CORN

### Registered—Germination 95-98%

	Peck	Bu.	5 Bu. @
Golden Jewel.....	\$0.75	\$2.55	\$2.50
Early Murdock.....	.75	2.55	2.50
Minn. No. 13, Large Type.....	.75	2.55	2.50
Minn. No. 13, Central Strain.....	.75	2.55	2.50
Minn. No. 13 Haney's Strain Extra Early.....	.80	2.80	2.75
Golden King.....	.75	2.55	2.50
Minn. Ideal.....	.75	2.55	2.50
Rustler White Dent.....	.75	2.55	2.50
Northwestern Dent, Early Crookston Strain.....	.80	2.80	2.75

## Butts and Tips from Registered Seed

### Straight Varieties—Germ. 95-98%

	Peck	Bu.	5 Bu. @
Golden King, Golden Jewel, Early Murdock, Minn.			
No. 13 (Central Strain or Large Type), Minn. Ideal,			
Rustler White Dent.....	.50	1.55	1.50
Minn. No. 13, Extra Early.....	.55	1.80	1.75

### Not Registered—Germination 95-98%

	Peck	Bu.	5 Bu. @
Golden King.....	\$0.70	\$2.40	\$2.35
Minn. No. 13, Central Strain.....	.70	2.40	2.35
Minn. No. 13, Haney's Extra Early.....	.70	2.40	2.35
Early Murdock.....	.70	2.40	2.35
Golden Jewel.....	.70	2.40	2.35
Minn. No. 13, Large Type.....	.70	2.40	2.35
Rustler White Dent.....	.70	2.40	2.35

## MINNESOTA-GROWN FLINT CORN

	Germ. %	Peck	Bu.	5 Bu. @
Longfellow, Minnesota Grown.....	95	\$0.90	\$3.10	\$3.00
King Philip, Minnesota Grown.....	96	.80	2.80	2.75
Canada Smut Nose, Minnesota Grown.....	95	.80	2.80	2.75
Rainbow, Minnesota Grown.....	96	.80	2.70	2.65

## SILAGE AND FODDER CORN

	Germ. %	Peck	Bu.	5 Bu. @
F. S. & N. Co.'s Ideal Silo, Registered.....	96	\$0.65	\$2.30	\$2.25
Evergreen Sweet Fodder Corn 48 lbs. per bu.	90	.90	2.55	2.50
Early Yellow Dent Fodder.....	96	.50	1.65	1.60
Late Yellow Dent Fodder.....	96	.50	1.65	1.60

# 1938 Golden Year Jubilee



1888

Faribault, Minn., January, 1938

With grateful hearts we round out a half century.

No other half century in the world's history has seen such tremendous strides in agriculture. We are proud to have had a part in this progress, and to you our friends—to your parents and grandparents, we owe a debt of gratitude—you have helped to make our Golden Jubilee Year possible.

In behalf of our entire organization—our sincere thanks, and a promise of continued satisfaction in the years to come.

**WILL YOU HELP MAKE THIS OUR BANNER YEAR?**

*E. J. Kiekenapp*  
President



Retail Store—Faribault

**LETTERS THAT MAKE LIFE WORTH WHILE**



University of Minnesota,  
Department of Agriculture,  
University Farm, St. Paul, Minn.  
October 4, 1937.

E. J. Kiekenapp, President,  
Farmer Seed & Nursery Co.  
I have been glad to note your interest in the newer developments in farm seeds, and I appreciate the opportunity of co-operating with leading seed companies in making high quality seed of improved strains available to growers. I am glad to have the opportunity of wishing you continued success in the important work you are carrying on. Will work with you in the future as in the past for better quality of improved seeds for Minnesota.

H. K. HAYES,  
Chief of Division.



University of Wisconsin,  
College of Agriculture,  
Madison, Wisconsin.  
October 5, 1937.

E. J. Kiekenapp, Pres.,  
Farmer Seed & Nursery Co.  
Accept my sincere congratulations on your Golden Anniversary, and best wishes for another fifty years of prosperity in your work of dependable seed production. In the many contacts I have had with farmers in Minnesota and Wisconsin I never heard a complaint on your seed stocks. The work of your organization is a real contribution to progressive agriculture, and you merit the respect and confidence of our farmers.

O. S. AAMODT,  
Chairman, Department of Agronomy.

**50  
Years  
OF  
FAITHFUL  
SERVICE**



Hybrid Corn Curing Plant



**MAIN PLANT**

# GOLDEN JUBILEE Specials

## From Well Known Farm Paper Publishers

"The Farmer," St. Paul, Minn.  
F. S. & N. Co.—Faribault.  
Dear Mr. Kiekenapp:  
Congratulations on your Fiftieth Anniver-  
sary celebration. I wish you every success.  
Editor Farm Department.  
Wisconsin Agriculturist and Farmer,  
Racine, Wisconsin.  
October 14, 1937.

F. S. & N. Co.—Faribault.  
Dear Mr. Kiekenapp:  
We rejoice with you at the arrival of  
your Golden Jubilee Year. It is a splendid  
achievement to have served farmers by sup-  
plying good seeds for fifty years. Such  
service well deserves highest praise and  
recognition. Sincerely,  
F. B. SWINGLE,  
Editor.

**\$50.00**

### HOW YOUR LETTER MAY WIN A CASH PRIZE

We offer \$50.00 in cash for letters pertaining to interesting incidents in dealing with us during a half century.

Do you recall a news-worthy happening? It may be a story Grand-Dad handed down, or your own experience. Just report it by May 1st, in a simple hundred word, or less, let-

ter, based on actual facts.

The best human interest letter gets \$20.00—the next best, \$15.00—third best, \$10.00—fourth best, \$5.00.

Prizes will be awarded May 5th. Judges' decisions are final, and prize winning letters to be published in our 1939 Annual.

## ALL SEASON GARDEN PEAS

No. 510

Fresh Peas all summer with this succession collection.

Extra Early 8 Weeks,  
(earliest)  
Little Marvel, (medium)  
Potlatch, (late)  
1 Big Pkt. each **17c**  
½ lb. each.....45c  
Prepaid

**JUBILEE  
OFFER  
NO. 2**

## Summer Long SWEET CORN COLLECTION

No. 245

Golden Gem, extra early  
Golden Bantam, medium  
Stowells Evergreen,  
late

1 pkt. each... **15c**  
½ lb. each.....49c

Fresh for table every day.

**JUBILEE  
OFFER  
NO. 3**

## YOUR CHOICE

### in PRIZES

## FOR \$1.00 PREPAID THIRD ZONE

NORTHERN  
GROWN  
NURSERY  
STOCK

*Jubilee*

**\$1.00**

**NURSERY  
BARGAINS**  
All prepaid

- 3 Wealthy Apple Trees 2-3 ft. .... \$1.00
- 3 Anoka Apple Trees 2-3 ft. .... 1.00
- 3 Haralson Apple Trees 2-3 ft. .... 1.00
- 3 N. W. Greening Apple Trees 2-3 ft. .... 1.00
- 3 Sapa Cherry Trees 2-3 ft. .... 1.00
- 3 Fredonia Grape Plants ..... 1.00
- 2 New Ruby Red Rhubarb. .... 1.00
- 6 Baby Norway Poplars 3-4 ft. .... 1.00
- 8 Baby Chinese Elms 2-3 ft. .... 1.00
- 25 Chinese Elm Seedlings 18-24 in. .... 1.00
- 6 Choice Labeled Iris—all different. .... 1.00

- 15 Colorado Blue Spruce 2 yr. seedlings .... \$1.00
- 10 Bridal Wreath Spirea, 1 yr. .... 1.00
- 25 Buckthorn Hedge Plants, 1 yr. .... 1.00
- 15 Black Walnut, 6-12 in. seedlings .... 1.00
- 5 Black Walnut, 2-3 ft. trees .... 1.00
- 50 Chinese Elm (Siberian), 6-12 in. seedlings 1.00
- 20 Shrubs Collection, 1 yr. size (10 Highbush  
Cranberries & 10 Jap. Barberry) .... 1.00
- 4 Bittersweet Vines, 2 yr. size .... 1.00
- 25 Bull Pine Evergreens, 2 yr. seedlings .... 1.00

## Jubilee GLADIOLI COLLECTION 25 Bulbs

Choice varieties—all colors and shades—for fresh cut flowers all summer. Guaranteed to please.

**75c**  
ppd.

**JUBILEE  
OFFER  
NO. 4**

## Grandmother's Old-Fashioned FLOWER MIXTURE

Bring back sweet memories—the flowers Grandmother loved so much, Pinks, Larkspur, Mignonette, Petunias, Verbenas, Strawflowers, Zinnias, Nasturtiums, Stocks, Pin-cushion Flowers, Balsam, etc., will bloom from early summer to frost.

Large Pkt. **25c**  
oz. 40c.

**JUBILEE  
OFFER  
NO. 5**

# A HALF CENTURY OF PROGRESS



Wm. L. Kueker  
Founder—1888



1888 - 1938



E. J. Kiekenapp  
President, Treas.

## A BRIEF HISTORY OF THE FARMER SEED & NURSERY CO.

**B**ACK in 1888 Wm. L. Kueker and Otto Kozlowsky, sons of Illinois farmers, founded the Farmer Seed Co. in Chicago. The venture was inspired by the idea of acquainting farmers with the newest improved farm and garden crops, and lowering the cost of reliable seed by bringing producer and consumer closer together.

In 1893 they moved to Faribault, in the heart of the growing section, where improved hardy, northern grown strains could best be produced. Here a building was erected, several farms acquired—and a four page folder laid the foundation for the present business—now serving a quarter million patrons.

Upon Mr. Kozlowski's death 10 years later, Mr. Kueker became manager and the business made steady progress for 25 years under his guidance. A Nursery Department was added during this period of gradual expansion and the firm name was changed to Farmer Seed & Nursery Co. Mr. Kueker died at the height of his career, in 1927.

He was succeeded by the present manager, E. J. Kiekenapp, who had joined the company in 1912 and the business continued to flourish through good years and bad, until this Golden Jubilee year finds the Farmer Seed & Nursery Co. enjoying the confidence of the greatest number of patrons in its history.

The first customers told others—until today 250,000 satisfied customers rely on this firm for dependable seeds and nursery stock. New buildings and equipment have been acquired to accommodate the growing business.

Satisfied customers have made this progress possible, and keeping ever alert to the newest developments in agriculture has brought a close contact with leading plant breeders and Experiment Stations. The management is proud of the high regard accorded them by officials of Agricultural Colleges, and is grateful to all who have made the Golden Jubilee Anniversary possible.



N. C. Bleter  
Vice Pres.-Mgr.  
Farm Seed Dept.



Chas. Dauphine  
Sec'y, Office Mgr.



R. J. Kiekenapp  
Asst. Treas.,  
Advertising.



L. P. Vassar  
Plant Breeder



Geo. Sievers  
Mgr. Garden Seed  
Dept.



Robt. Bleter  
Asst. Seed Analyst

## — WE VALUE THESE LETTERS HIGHLY —



Cooperative Extension Work  
Agriculture and Home Economics, State  
of Minnesota.

August 24, 1937.  
Mr. E. J. Kiekenapp, President,  
Farmer Seed & Nursery Company.

I wish to congratulate your organization for carrying on such a long and up a very large number of friends and are enjoying business from many people from far and wide.

RALPH F. CRIM,  
Extension Agronomist.



Minnesota Crop Improvement Association,  
St. Paul, Minnesota.  
October 8, 1937.

Farmer Seed & Nursery Co.,  
Dear Mr. Kiekenapp:

It gives me great pleasure to congratulate the Farmer Seed & Nursery Company on its fiftieth anniversary. It has been my good fortune to come in contact with the officers and employees for the past twenty years. In all cases I have found good co-operative spirit, willingness to serve the people by providing well cleaned seeds at reasonable prices.

Many changes have taken place during the last fifty years, but you have kept up with the times by installing modern cleaning machinery and handling recommended varieties of dependable seeds.

May you continue to thrive and prosper.

A. D. HAECKE,  
Asst. Secy.-Treas



University of Minnesota, Department of  
Agriculture, Southeast Experiment  
Station, Waseca, Minn.  
October 12, 1937.

Farmer Seed & Nursery Co.,  
Dear Mr. Kiekenapp:

I congratulate your company on its fiftieth anniversary, and in my personal contacts I have always found your representatives ready to give full value in every transaction and entirely cooperative in all attempts to improve the quality of crops grown by Minnesota farmers.

Accept my best wishes.

R. E. HODGSON,  
Superintendent.



tions on  
versary.

North Dakota Agricultural College,  
Fargo, North Dakota.  
October 11, 1937.

Farmer Seed & Nursery Co.  
Gentlemen:

We have had a high regard for your concern for many years, and trust that you will accept our congratulations on the celebration of your fiftieth anniversary.

Yours very truly,  
A. F. YEAGER,  
Horticulturist.



University of Wisconsin, Department of Agriculture,  
Madison, Wis.  
October 12, 1937.

Farmer Seed & Nursery Co.,  
Faribault, Minn.

Dear Mr. Kiekenapp:

It was very gratifying to me to learn that your company has a history of fifty years behind it, and believe that seedsmen like yourself have been a decidedly important agency in the furtherance of the agricultural welfare of this country. You are certainly to be congratulated.

In my contacts, both in Wisconsin and Minnesota, I have found that your customers have faith in your honesty and dependability.

A. H. WRIGHT,  
Agronomist.



The Farmer, St. Paul, Minn.  
October 7, 1937.

Mr. E. J. Kiekenapp, President,  
Farmer Seed & Nursery Company.

Congratulations upon the 50th Anniversary. I have known you well and favorably for almost one-half this period, and I am well aware of the steady, healthy growth of your institution. I know how you have kept pace with scientific developments in crop production and plant breeding, in order that you might better serve your farmer customers with the best and most dependable seeds.

With best wishes for your continued success,  
W. T. FOLEY,  
Associate Editor.

# GOLDEN JUBILEE Specials

## 25 New Chief Red RASPBERRY \$1.00 PLANTS ppd.

Earliest and sweetest of all—easy to grow—immense crops.

75 plants.....\$1.95  
125 plants.....2.35  
"Special" Grade—not ppd.

Postage & Packing on  
75 plants..20c  
125 plants..25c

Jubilee  
Offer  
No. 7

## 5 HARDY ASTERS

All labeled  
Most beautiful flowers  
of Fall  
King of Belgium—Blue  
White Lady  
Skyland Queen—Blue  
Chas. Wilson—Red  
Sunset—Pink  
1 of each for...95c  
prepaid

Jubilee  
Offer  
No. 9

## 5 Fast Growing Shade Trees

Norway Poplar

Beautiful, clean, hardy,  
fast growing shade tree—  
very dependable.

5 trees 5-6 ft.....95c  
10 trees 5-6 ft.....\$1.75

Shipped Express  
Not Prepaid

Jubilee  
Offer  
No. 12

## 6 Bird Berry Shrubs

Fine for screen—invite song  
birds. One Each

Nanny Berry—White flowers.  
Highbush Cranberry—Red ber-  
ries.

Japanese Barberry — Yellow  
flowers.

Dogwood—White flowers.

Honeysuckle—Pink flowers.

Mountain Ash—White flowers,  
red berries.

6 1-year size.

Prepaid for

\$1.00

Jubilee  
Offer  
No. 13

## All Seasons APPLE COLLECTION

10 Trees 2-3 ft.  
Anoka (Summer)  
Wealthy (Early Fall)  
N. Courtland (L. Fall)  
H.W. Greening (Winter)  
Harralson (Winter)  
10 Trees Nppd. ....\$1.95  
5 Trees for \$1.25  
Postage & Packing on  
10 Trees ...33c  
5 Trees ...25c

Jubilee  
Offer  
No. 8

## 5 BIG JUMBO PLUMS

2 Waneta—Big Red  
2 Opata—Big Blue  
1 Kaga—Yellow (Pollin-  
izer)

5 Trees 4-6 ft.....\$1.85

Not Ppd. (Value \$2.75)

Postage and  
Packing 30c

Jubilee  
Offer  
No. 10

## 10 Hardy Perennial Plants

One Each, All Labeled

Hybrid Columbine; Red  
Painted Daisy; Creeping Phlox,  
Pink; White Shasta Daisy; Red  
Hardy Phlox; Golden Day Lily;  
Pink Baby's Breath; Blue  
Hardy Asters; Blue Bellflower;  
Gold Medal Delphinium.

10 for  
\$1.20  
prepaid

Jubilee  
Offer  
No. 11

# Order Early—25% Down Will Hold Your Order

## Pay Balance at Time of Shipment—Order Blank in Back of Catalog

### ORDERING MADE EASY

Keep a copy of your order and check it when it arrives.  
Write your name and address plainly.  
Sending money. Postoffice money orders, bank drafts or express money orders are always safe. Stamps up to \$1.00 are acceptable. Never send cash in a letter unless registered. Doing so will be at your own risk.  
Please do not send checks under \$1.00—send cash or stamps. Allow 10c exchange on all checks to cover charges by banks. We will include extra seeds to adjust.

### PARCEL POST SHIPMENTS

Packages weighing 70 pounds can be sent to all zones.  
For postage required on Nursery Stock, see page 32.  
Ten pounds or more beyond the 5th zone usually go cheaper by express.

### PARCEL POST RATES

Zone	Distance up to	For First Pound	Each Pound, Additional
1st and 2nd.....	150 miles	8c	1c
3rd .....	150- 300 miles	9c	2c
4th .....	300- 600 miles	10c	4c
5th .....	600-1,000 miles	11c	6c
6th .....	1,000-1,400 miles	12c	7c
7th .....	1,400-1,800 miles	14c	9c
8th .....	over 1,800 miles	15c	11c

In estimating parcel post charges be sure to make allowance for packing. A fraction of a pound takes full pound rate. Faribault is 50 miles south of St. Paul.

### OUR GUARANTEE

We sell dependable, carefully tested seeds. Should failure result from the fault of the seeds we will refund your money.

Seeds, trees, bulbs and plants are subject to climatic conditions over which we have no control. Therefore, we will not be responsible for the crop, or for more than the price paid. In case of error prompt adjustments will be made.

### C. O. D. SERVICE

For your convenience we offer to ship garden and flower seeds C. O. D. Simply pay the postman or express company the amount due, on delivery, plus a small charge for returning the remittance. No money need be sent with the order except for farm seeds or perishable articles such as potatoes, bulbs or nursery stock, in which case send 25% of the amount due with the order.

**FREIGHT AND EXPRESS SHIPMENTS.** State whether you want freight or express shipment made.

**POTATOES, ONIONS, BULBS, PLANTS AND NURSERY STOCK** are shipped when weather conditions permit, and customers are then notified of shipments. Should a shipment reach you in bad condition, notify us at once. Have agent make notations on your receipt. If yours is a prepaid station, full transportation charges must be sent with the order.

Use 1 lb. seed per  
250 sq. ft. of lawn

## Dependable Lawn Grass Seed

Sow 125 lbs. of  
seed per acre

— FREE! —

### Lawn Grass Booklet

It tells all about building a new lawn, preparing the seed bed, what to sow, maintenance and care, improving an old lawn, Bent lawns, how to control lawn pests, etc.

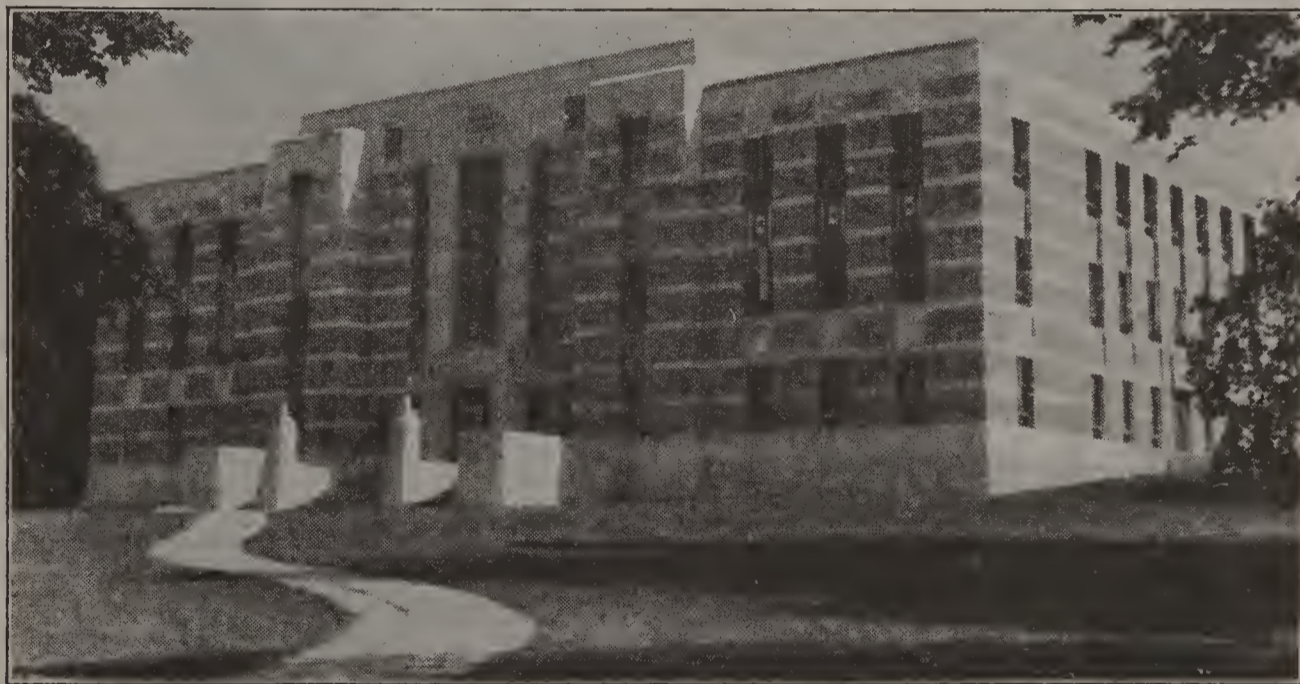
We will send it free with every order, if requested or you may have a copy by writing for it.

### 30-DAY LAWN GRASS 30c Lb.

Our popular lawn grass for quick results. This carefully blended mixture contains the finest quick-growing grasses, together with permanent grasses that will establish a luxuriant lawn in 30 to 40 days under normal conditions. It represents the greatest value we have ever been able to give. It is by no means a cheap lawn mixture, but contains high quality Kentucky, Blue Grass, White Dutch Clover, Rye Grass and other quick growing grasses. Price: 1 lb. 30c, 5 lbs. \$1.35, prepaid, 25 lbs. \$5.25, 100 lbs. \$20.00, not prepaid.

### SHADY NOOK LAWN GRASS 45c Lb.

A mixture of hardy, quick growing grasses that thrive in shady places. Especially suited for patching up the lawn, or filling in barren places. The best creeping grasses to build up a permanent sod. Price: 1 lb. 45c, 5 lbs. \$2.00, prepaid, 25 lbs. \$8.75, not prepaid.



New Rice County Court House, at Faribault, where a luxuriant lawn was established the first season with Garden City Lawn Grass. Ask for free lawn booklet with your order for seed.

### GARDEN CITY LAWN GRASS 35c Lb.

**A Most Popular High Quality Mixture**  
Our best all around lawn grass mixture for general use. It contains the choicest grasses in proper combination for quick results, roots deeply, and withstands severe drought. This consists chiefly of Kentucky Blue Grass, Red Top and White Clover. Price: 1 lb. 35c, 5 lbs. \$1.60, prepaid, 25 lbs. \$6.25, 100 lbs. \$23.00, not prepaid.

### CREeping BENT LAWN GRASS 70c Lb.

This grass makes a fine dense firm turf which withstands hard usage; it is ideal for lawn, terraces, and putting greens on golf courses because it makes a compact sod due to its spreading habit. It makes rapid growth in a year, crowding out other grasses. Sow 2 to 3 lbs. per 1,000 square feet. Price: 1 lb. 70c, 5 lbs. \$3.25, prepaid, 25 lbs. \$15.00, not prepaid.

### White Lawn Clover

The little three and four leaf clover especially fine for lawns. Makes a close, compact growth and covers the ground like a carpet. Quick growing, thrives on any soil and enriches the soil. 1/2 lb. 30c, 1 lb. 50c, 5 lbs. \$2.25, prepaid.

### LAWN FERTILIZERS

(See page 61)

**"SACCO."** A most dependable all around fertilizer. (See page 61.) Special circular free. Price: 5 lbs. 40c, 10 lbs. 75c, 25 lbs. \$1.35, 50 lbs. \$2.25, 100 lbs. \$3.75, not prepaid.

**"WEDO"** for combined fertilizing and weed control qualities. (See page 61.) Price: 10 lbs. 80c, 25 lbs. \$1.65, 50 lbs. \$3.00, 100 lbs. \$5.50, not prepaid.

Free! While they last—A Spike Lawn Sprinkler with a \$2.00 Lawn Seed Order—Ask for It!



Farmer Seed & Nursery Company's Trial Gardens at North Entrance to Faribault on U. S. Highway No. 65.

## NORTHERN GROWN VEGETABLE SEEDS

### ASPARAGUS (Seeds, Roots)

**CULTURE**—Sow one ounce of seed to 100 feet of drill. Five pounds to the acre. Sow in drills one foot apart and one inch deep. Keep soil mellow. Thin plants to four inches apart, transplant the following year to a permanent bed. Asparagus culture leaflet free.

**5. WASHINGTON RUST PROOF ASPARAGUS**—The leading variety grown by market gardeners—rust resistant, producing large, straight shoots; tips of dark green color. Pkt. 8c, oz. 15c, 1/4 lb. 35c, lb. \$1.00, prepaid.

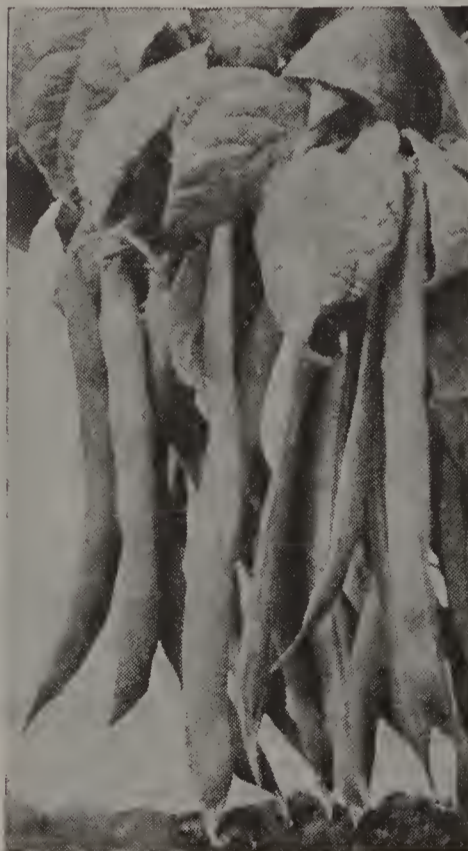
**ASPARAGUS ROOTS**—Washington rust proof variety: 25 for 55c, 50 for 90c, 100 for \$1.50, prepaid. Culture free. See page 29 for complete description and quotations.

### Free Books to Customers

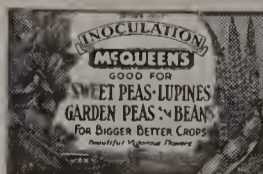
"Make the Garden Pay," an 80-page book every customer will want—tells in condensed form how to get the most out of your vegetable garden. Written by experts, fully illustrated. Gives cultural directions and information regarding vegetable storage, insect enemies, hotbed making, etc. A complete instruction book.

"Better Gardening," a 64-page book which discloses the secrets of better landscape gardening, the tools to use, soil preparation, fertility and cultivation, weeds, pruning, perennial borders, rock gardens, lily pools, bulbs and house plants, lawns, shrubs and trees, fruits and berries, insects and disease pests. Charts and illustrations.

Your choice of either book, given free with a \$1.00 order of vegetable or flower seeds, or a \$2.00 order of farm seeds. Be sure to name your choice in ordering.



Bountiful Stringless.



Be Sure to  
Inoculate  
GARDEN  
BEANS

for bigger yields and better quality crops. We recommend McQueen's Inoculator. The small extra cost is repaid tenfold. McQueen's Garden Size Inoculator (treats 4 lbs. garden beans). Pkt. 10c, prepaid. Market Grower Size Inoculator (treats 15 lbs. garden beans). Pkt. 25c, prepaid.

### BEANS (Green Pod Bush)

See culture on page 7.

**21. NEW TENDERGREEN STRINGLESS**—(54 days.) A new bean so tender and snappy it fairly melts in your mouth! Excellent for home garden or market. Pod: 6 inches long, round fleshy, dark green, stringless and of fine quality. A very heavy yielder. Seed: brown, blotched with light fawn. Mammoth Pkt. 8c, 1/2 lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.20, prepaid.—Not prepaid: 10 lbs. \$2.00.

**22. GIANT STRINGLESS GREEN POD**—(54 days.) This mammoth green pod is a money-maker, and a heavy yielder which stands dry weather. A good shipper and an excellent cooker. Pod: 6 1/4 inches long, round, meaty, strictly stringless and brittle, of attractive green color. Seed: oval, yellowish brown. Mammoth Pkt. 5c, 1/2 lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid: 10 lbs. \$1.80.

**25. BURPEE'S STRINGLESS GREEN POD**—(52 days.) Gardeners and canners like this stringless and fiberless bean for its excellent quality. It sells readily on the market, and for cut beans for canning, it can't be beat. Pod: 6 inches long, medium green, round. Seed: coffee-brown. Mammoth Pkt. 5c, 1/2 lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid: 10 lbs. \$1.80.

**27. BOUNTIFUL**—(49 days.) A bountiful yielder of delicious, extra early, green, stringless beans. For home garden and for early market, Bountiful is unsurpassed. Pod: 6 1/4 inches long, flat, stringless and of fine quality. Seed: yellow straw color. Mammoth Pkt. 8c, 1/2 lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.20, prepaid.—Not prepaid: 10 lbs. \$2.00.

**29. FULL MEASURE (ROUND POD STRINGLESS)**—(54 days.) A favorite all-purpose bean for home use, canning or market growing, because of its delicious flavor and tenderness. Pod: 6 1/4 inches long. Round, straight, very fleshy, stringless and tender. Plant: upstanding and prolific. Seed: reddish brown, mottled with buff. Mammoth Pkt. 5c, 1/2 lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid: 10 lbs. \$1.80.

F. S. & N. Co.

Feb. 9, 1937

"I have used your seeds for about 5 years and have always been satisfied with them. I like particularly your Minhybrid Sweet Corn, and the Firecracker Radish simply cannot be beat. I am positive of that as I do some market gardening and have tried nearly every popular radish on the market. No other radish can compare with Firecracker for earliness, sureness, quality or selling appeal. Believe me, it's tops.

W. E. Daughenbaugh,  
Scenic, So. Dak.

Jan. 18, 1937

F. S. & N. Co.

"I have had your catalog every year since 1888, and would like it again. It is always interesting to me. In 1888 we lived in Crawford County—Henry Miller was my father. We saw your first advertisement in the 'Rundschau' of Chicago. Both my parents dealt with you. I have a garden cultivator which my father bought from you in 1898—it was the best we ever had. Wishing you good luck, we are, as ever, your friends,  
Mrs. August Abendroth,  
Fontanelle, Nebr.

**Wax-  
Podded  
BUSH**

# BEANS

**SNAPPY-  
TENDER-  
BUTTERY**

One pound will plant 50 feet of row.

**CULTURE**—Beans should be sown after May 15th, when the ground is thoroughly warm. Make successive sowings, 2 weeks apart, for a supply of beans all summer. Sow in drills 15 inches apart, 2 inches deep, dropping the beans 3 inches apart in the rows, eyes down and cover. Cultivate often. Do not walk through or pick beans when wet with dew or rain.

## 9. FARIBAULT BRITTLE WAX

—(52 days.) The finest in Wax Beans. An abundant yielder of tender, succulent, buttery-flavored beans. Ideal for home use and for canning. An excellent winter shell bean. Pods are 6 inches long, attractive lemon yellow color, and absolutely stringless. Seed is white, kidney-shaped with black eye. (Seed very scarce this year due to crop failure.) Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.35, prepaid.—Not prepaid, 10 lbs. \$2.25.

## 10. TOP NOTCH GOLDEN-WAX.

A new variety of wax bean resembling Improved Golden Wax in many respects but being superior in quality and yield. The pods run about 5½ to 6 inches long and are stringless. Pods are of rich yellow color, being nearly flat and broad. The seed resembles Golden Wax in size and color but the pods run about an inch longer and are absolutely stringless with less fiber than the old-fashioned Golden Wax. The maturity is a few days later. This bean will eventually replace Golden Wax. (See inside front cover.) Mammoth pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.20, prepaid.—Not prepaid, 10 lbs. \$2.00.

## 11. PROLIFIC BLACK WAX—or

Butter Bean—(51 days.) A good, medium early home and market garden sort. A heavy producer over a long period. Rust-proof and of fine quality. Pod is 5½ inches long, round, fleshy, deep golden yellow color, and of appetizing flavor. Seeds are small oval, solid black. Mammoth pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. \$1.80.

## 12. BLACK PENCIL POD WAX

—(52 days.) A favorite money-maker for the gardener. Vigorous, productive and of appetizing flavor. Pods are 6¾ inches long, round, fleshy, golden yellow, tender, absolutely stringless, brittle and of finest quality. Seeds are oblong, solid black. Mammoth pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. \$1.80.

## 13. IMPROVED GOLDEN WAX

—(49 days.) Exceptionally hardy and rustproof. Pods are 4¾ inches long, flat, creamy-yellow in color, stringless, and of good quality. Seeds are oval, white with mottling of violet and light yellow around eye and ends. Mammoth pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. \$1.80.

## 15. SURE CROP STRINGLESS WAX.

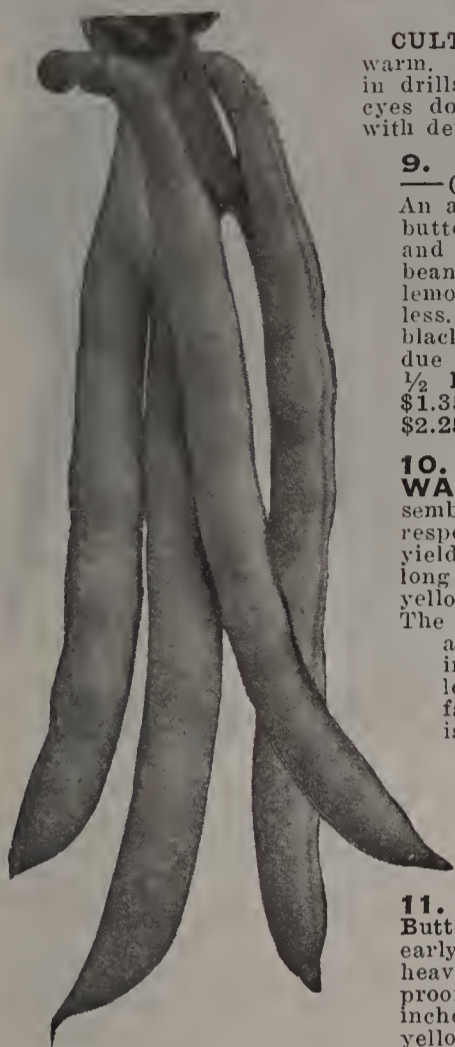
—(53 days.) Particularly favored by truckers and shippers. Resistant to blight and rust, exceptionally hardy and vigorous even in dry sections. Bears heavily. Pods are 6½ inches long, golden yellow, flat, brittle, strictly stringless, of fine texture and quality. Seeds are oval, jet black. Mammoth pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. \$1.80.

## 16. UNRIVALLED ROUND POD WAX

—(52 days.) Very popular among our market gardener trade. Pods are 5½ inches long. Attractive deep yellow, thick-flat, brittle, stringless when young. Plant is dwarf, erect, stocky, very productive. Seeds are small, oval, glossy golden brown. Mammoth pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.20, prepaid.—Not prepaid, 10 lbs. \$2.00.

## 19. EARLY WONDER WAX—(40 days.)

The ideal wax bean for early market, and first on the dinner table. Extremely early and resistant to rust, a very heavy yielder. Pods are 6½ inches long, clear waxy yellow, plump, tender, brittle, of fine texture and very meaty. Plant is large, strong, productive. Seeds are yellow. Mammoth pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. \$1.80.



10.  
New Top Notch  
Golden Wax.

## Pole or Runner Beans

One pound plants 200 hills. Plant in hills 3 feet apart each way, sowing 4 to 6 beans to a hill. Stake with poles 7 feet high.

## 60. OLD HOMESTEAD OR KENTUCKY WONDER—(65

days.) The most popular pole bean grown. A splendid canner. Will bear heavily all summer if kept picked. Pods are 8 inches long, silvery green, practically round, of good quality and very brittle. A strong climber—ideal for planting in cornfields. Seeds are buff brown. Mammoth pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. \$1.80.

## 61. SCARLET RUNNER—(See page 56.)

## 62. DUTCH CASE KNIFE—(68 days.)

Produces white beans resembling small limas. They are used as snap beans when very young, or shelled as a lima when more fully grown—or for cooking when dry. The long silvery green pods are very flat. Generally used for green shell beans. Seed white. Pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. \$1.80.

## FARM BEANS FOR BAKING

## 30. RED KIDNEY OR CHILI BEAN—(95

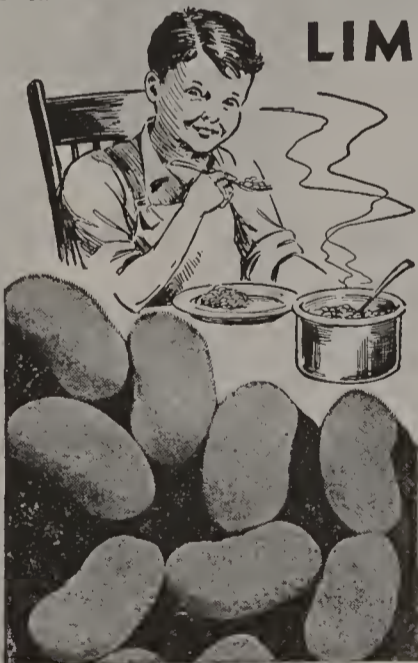
days.) Everyone likes the delicious, tangy flavor of hot Mexican Chili Con Carne! It has become a favorite American snack or supper dish, made with red kidney beans, introduced from Mexico. Anyone can grow these delicious red Chili Beans. They are of excellent quality for dry bean use. Pods: 6 inches long, flat, waxy green. Seeds: reddish brown. Mammoth pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. \$1.80.

## 40. GREAT NORTHERN—The most delicious baking bean

grown. Far better for baking and cooking than any navy bean, as it cooks in two-thirds of the time, and is of much better flavor. Beans are larger than common navy beans. Mammoth pkt. 5c, ½ lb. 12c, lb. 20c, 2 lbs. 35c, 5 lbs. 75c, prepaid.—Not prepaid, 10 lbs. \$1.10.

## 41. ROBUST NAVY—Plants are of decidedly robust growth.

Beans are clear white. Mammoth pkt. 5c, ½ lb. 12c, 1 lb. 20c, 2 lbs. 35c, 5 lbs. 75c, prepaid.—Not prepaid, 10 lbs. \$1.10.



40.  
Great Northern Tasty Bake Beans.

## LIMA OR BUTTER BEANS

Plenty of "Dry Shell" Beans  
Saves Grocery Bills

**CULTURE**—Bush Limas should be planted in rows 3 feet apart in rich soil, 6 to 10 inches apart in the row, always setting the seed with the eye down. Plant about 3 inches deep. One pound will plant 50 ft. of row.

## 50. FORDHOOK BUSH LIMA—(75 days.)

The most popular large seeded Dwarf Lima among market growers. It supplies many dinner tables with big, plump, buttery beans of delicious flavor. Pods are 4½ inches long, 1 inch wide; contain 3 to 4 seeds. Green shell beans; large thick oval, of excellent quality. Seeds are white with tinge of green. Mammoth pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.20, prepaid.

## 51. BURPEE'S IMPROVED BUSH LIMA—

(75 days.) Of excellent quality and luscious flavor. Pods are 4 inches long, 1¼ inches wide; contain 4 to 5 seeds. A heavy yielder. Seeds are large, plump, flat, slightly wrinkled; white with greenish tinge. Mammoth pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.20, prepaid.

## 52. HENDERSON BUSH LIMA—(68 days.)

Produces small, flat, green shell beans of excellent quality. Very early and fine for canning. Pods are 3½ inches long with 3 to 4 seeds. Plant is small, bushy. Seeds and dry beans, creamy white. Mammoth pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.

## 53. NEW HOPI INDIAN LIMA—Plant seed early. A small,

hardy, vining Lima that matures anywhere in the United States. Of delicious flavor and an abundant yielder. Ideal for making succotash or as a green-shelled Lima, or as a dry bean. It can be grown on any well drained soil with or without trellis. Mammoth pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.



19.  
Early Wonder Wax.

**RICH  
RED**

# Table Beets

**TENDER  
and  
DELICIOUS**

85.  
Detroit  
Dark Red.  
The Finest  
All-Purpose  
Beet.

Sow 1 oz. to 100 ft. of row—10 lbs. per acre.

**CULTURE**—The soil for beets should be rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked; continue for a succession as late as the middle of July; when the plants are large enough, thin out to stand six inches apart.

For the home garden, Crimson King and Early Winesap are the most tender early beet; Detroit Dark Red and Ohio Canner are the best main crop sorts.

**83. EXTRA EARLY WINESAP**—(54 days.) The first beet on the family dinner table. Winesap combines excellent quality, flavor and tenderness with its exceptional earliness. Roots are semi-globular, deep rich crimson with small taproot. Flesh is fine grained, sweet and tender. Tops are medium small. Pkt. 8c, oz. 15c, ¼ lb. 35c, lb. \$1.10, 2 lbs. \$2.00, prepaid.

**84. EARLY WONDER**—(54 days.) First on the early market. A splendid shipping variety. Similar in quality to Winesap. Roots are blood red with small taproot. Flesh is blood red with lighter zones, tender and of good quality. Tops are medium small. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

**87. CRIMSON KING**—The darkest red beet we know of. The smooth, globular roots grow to a diameter of 3½ to 4 inches, with small tops and taproots. It's a delicious, tender beet with a deep maroon interior color and complete absence of zoning. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.80, prepaid.

**88. OHIO CANNER**—(Good for All). The absence of lighter zones, the smooth symmetrical form and superior color make this one of the most perfect canning and pick-



ling beets yet developed. Also splendid for market growing and table use. Roots are uniformly round, small taproot. Flesh is intense deep blood red, with no trace of lighter rings. Tops

are small, dark. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, 2 lbs. \$1.75, prepaid.

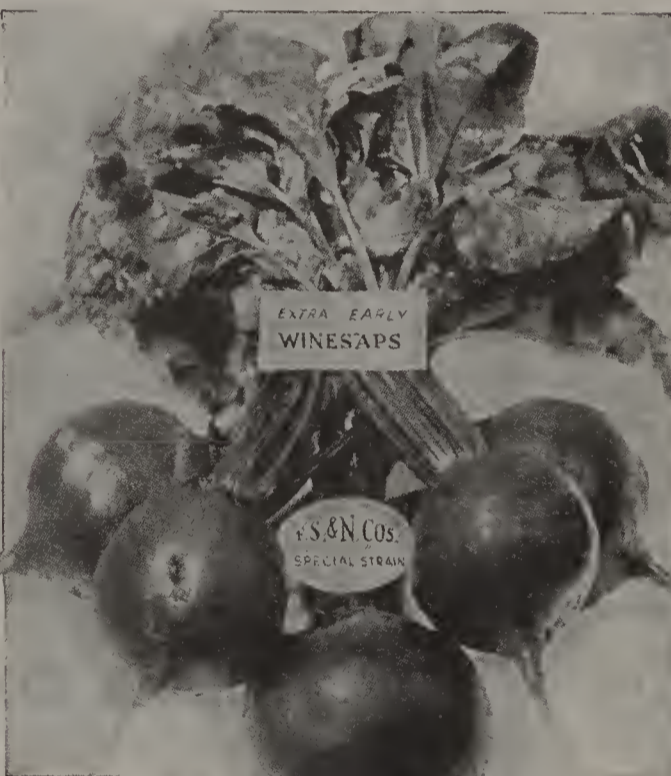
F. S. & N. Co.

"We always make it a point to plant Farmer Seeds as we always have the best of luck with them. We tried another brand once and results were very unsatisfactory. Since then we use seeds we know are dependable."

Mrs. L. E. Simpson, Cloquet, Minn.

**85. DETROIT DARK RED**—(62 days.) The outstanding late variety for truckers, produce shippers, canners and home gardeners. A most popular, real quality beet. Roots are globular, smooth, uniform, attractive, with small taproot. Flesh is deep oxblood red, with indistinct zones. Splendid quality, sweet and tender, without any trace of woodiness. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.80, prepaid.

**86. EARLY RED BEAUTY**—(Extra Early). A striking new beet bred from the Dark Crosby strain. It is perfectly round in shape, very fast growing, and the color is deep dark red all the way through—without zoning. Roots are smooth, perfectly globular, of uniform size and shape, with slender tap roots. Tops are medium, just right for bunching. (See inside front cover.) Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.25, 2 lbs. \$2.10, prepaid.



When young it is ideal for Canning or Pickling Whole.

## MANGEL BEETS

An ounce will sow 100 feet of drill, 5 lbs. will sow an acre.

Mangels are of high feeding value for all livestock. They keep hens healthy, and stimulate egg production. Feed at the rate of 25 lbs. to 100 hens per day, with grain.

**CULTURE**—Sow at corn planting time—in drills 2 to 2½ feet apart, on rich moist land, the seed should be planted an inch deep; on dry and sandy soil it must be planted 1¼ to 1½ inches deep. Thin out to stand 8 inches apart in row.

**105. MINNESOTA GOLDEN TANKARD**—The best yellow mangel in cultivation. Has a high sugar content, is a heavy cropper and easily harvested. Roots are large, nearly cylindrical, partly above ground; skin orange. Flesh yellow.

**106. MAMMOTH LONG RED**—The best cropper of all. Yields from 20 to 30 tons per acre. High feeding value and exceptional quality. Roots extremely large, tapering, grow half above ground; skin light red. Flesh is white with rose tinge.

**108. GIANT SLUDSTRUP**—A very high yielder. Roots are long, oval, orange colored. Flesh is white with yellow tinge; high in feeding value.

**109. GIANT HALF SUGAR**—Roots are long, oval, white with light bronze-green shoulder. Flesh is white, rich in sugar; a good feeding sort.

**115. SUGAR BEET, KLEIN WANZLEBEN**—The most popular variety for sugar manufacture on account of high sugar content; also good for stock feed. Roots are long, with white skin and flesh.

PRICES on all Mangels: Oz. 8c, ¼ lb. 20c, lb. 55c, prepaid.—Not prepaid, 5 lbs. at 45c per lb., 10 lbs. at 40c per lb. Ask for prices on larger lots.

## SWISS CHARD or Spinach Beet



98.  
Swiss Chard

—Rich in vitamins.

Swiss Chard produces more food than any other vegetable, in proportion to the space required. The leaves are used for greens and are of much milder flavor, and more delicate texture, than spinach. It will produce a constant crop from early summer until winter. Cook like asparagus.

**98. LUCULLUS (SWISS CHARD)**—(55 days.) Greatest of all summer greens. A variety of beet grown for its leaves. They may be used just as Spinach. Constant crop from July until winter. It makes good poultry feed, too. Of exceptionally tender quality and good flavor. Rich in vitamins. Leaves are heavily crumpled. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c, 2 lbs. \$1.50, prepaid.

## BRUSSELS SPROUTS

**70.** A delicious vegetable for winter use, of mild, cabbage flavor. Tall stems are covered with firm, tiny, cabbage-like sprouts. Cook the small heads and serve with butter or a cream sauce. Start seed indoors, same as cabbage. Transplant to garden in May. Pkt. 8c, oz. 20c, ¼ lb. 75c, prepaid.

## BROCCOLI

**80. ITALIAN GREEN SPROUTING**—A novelty of the cauliflower family which after the first head has been harvested, produces branching sprouts on which are small loose heads 2 inches in diameter. They have a delicate flavor and are most delicious. Pkt. 8c, ½ oz. 20c, oz. 30c, ¼ lb. \$1.00, prepaid.



175.  
Chantenay.  
Ideal for home  
gardening.



172. Nantes Coreless.  
A rare delicacy when  
half grown.

**171. DANVER'S HALF LONG—**(75 days.) The best known and one of the most reliable carrots for home and market gardening. Easily harvested, a good keeper and an excellent shipper. Roots: 6 to 7½ inches long, bright orange, tapered to a blunt end. Flesh: bright orange, tender and of a good quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

**172. NANTES CORELESS HALF LONG—**(69 days.) Customers who do not like ordinary carrots are delighted with these. They have a distinct flavor and tenderness all their own, and when half grown they are a rare delicacy on any table. Excellent for forcing as well as for home and market garden use. Roots: 5½ to 7 inches long, 1¾-inch shoulder diameter, bright orange, cylindrical, blunt ended. Flesh: reddish-orange, crisp, tender, and of very delicate flavor; practically coreless. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, prepaid.

**173. NEW IMPERATOR—**(77 days.) A truly outstanding type, bred for market garden use and for shipping, but also a splendid home garden sort. Tops medium, but strong enough for good bunching. Roots: 7 to 8½ inches long, 2-inch sloping shoulder; smooth, deep rich orange; uniformly tapered to a semi-blunt end. Flesh: rich orange color, extending to center of root, with indistinct core; fine grained, tender and of superior quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, prepaid.

## CARROTS for Stock Feeding

Easily Grown. Heavy Yields.

Sow seed in drills 3 feet apart, using about 4 pounds per acre. Large yield from small pieces of ground. Tonnage per acre enormous.

**185. YELLOW BELGIAN—**(95 days.) Very similar to White Belgian, except for color—pale yellow skin with green top. Hardy and productive. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 60c, prepaid.

**186. WHITE BELGIAN—**(95 days.) A heavy cropper, easily harvested. Best results in deep soil. Sow 4 pounds to the acre. Roots: 10 to 14 inches long, 3 to 4 inches thick at top; skin: green above ground, white below. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 60c, prepaid.

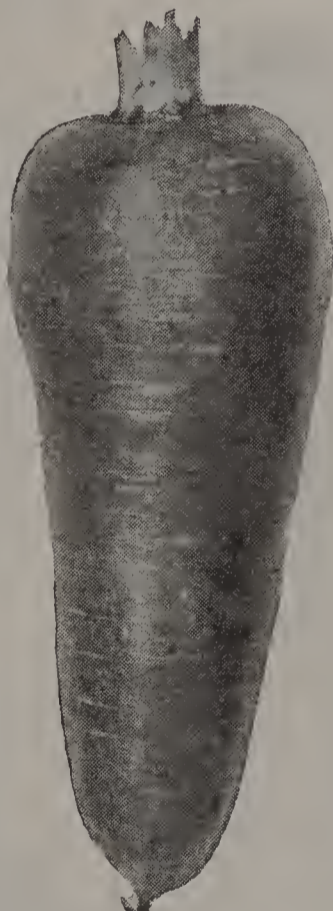
**CULTURE—**The carrot is one of the most nutritious and healthful roots, and should be more generally used for the table as well as for stock feeding purposes. Will grow in any soil; sandy deep loam is best. Sow as early as the ground can be worked, in rows 15 to 18 inches apart, covering about one-half inch. The plants should be thinned to two, three, or even four inches apart in rows.

## ALL-AMERICA SELECTIONS

**178. NEW SUPREME HALF LONG—**A recent All America Selection. This slender, refined half-long carrot has smooth roots, which grow entirely under ground. Of exceptionally attractive color, with a small red core. Interior color best of any carrot. Of fine flavor and quality. Tops are small. Pkt. 8c, oz. 12c, ¼ lb. 35c, lb. \$1.10, prepaid.

**170. F. S. & N. CO'S SUPERIOR MARKET—**(76 days.) A handsome carrot of the Emperor type. The finest shipping carrot in cultivation. Its splendid quality and attractive bunching appearance make the new Superior Market sell on sight. Roots: 8 inches long, 2 inches thick at top; with sloping shoulder, tapered to a semi-blunt end, very uniform. Flesh: rich orange color, fine grained, scarcely noticeable core, tender, and of delicious flavor. (See inside back cover.) Pkt. 8c, oz. 12c, ¼ lb. 30c, lb. \$1.00, prepaid.

**MARKET GROWERS:**  
Ask for Special Price List.



171. Danvers Half Long.  
A heavy yielder and fine  
keeper.



173. Emperor—sells on sight.



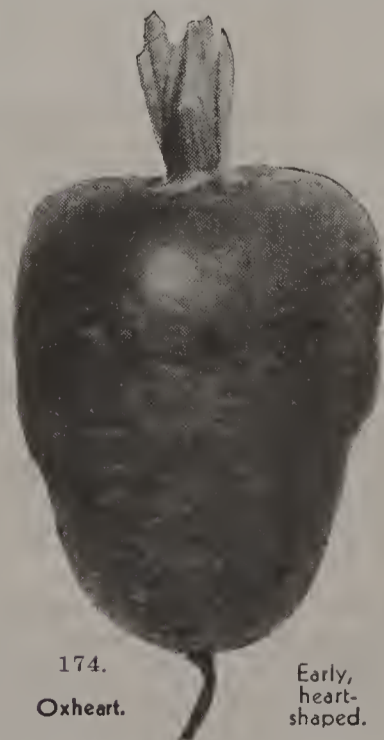
170. Superior Market—an ideal bunching sort.

**175. EARLY CHANTENAY OR MODEL—**(71 days.) This is an excellent all-purpose, medium-early variety, desirable for home and market garden, and for canners in packing diced carrots. Roots: 5 to 6 inches long, deep orange, smooth tapered, stump rooted. Flesh: deep orange with indistinct core. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

**177. RED CORED CHANTENAY—**(71 days.) Here is a distinctly improved Chantenay, with excellent texture and quality of flesh. Its unique interior color and delicate flavor bring a premium on every market and a rare treat to the home table. Roots: 5 to 6 inches long, 2¼ inches thick at shoulder. Flesh: reddish-orange with indistinct core of nearly same color; exceptionally tender and sweet. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, prepaid.

**174. OXHEART or GUERANDE—**(72 days.) Desirable for home use, prolific and a good keeper. Especially suited to field culture on heavy soils. When fully mature, often used for stock feeding. Excellent table quality when young. Roots: 4 to 5 inches long, 2½-inch shoulder diameter; bright orange, thick, blunt-ended, of heart shape. Flesh: deep orange, tender, of good quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

Treat Carrot Seed with  
SEMESAN. See Page 18.



174.  
Oxheart.  
Early,  
heart-shaped.

## Jubilee Menu Suggestion

Serve Tasty STEAMED CARROTS!

- 1—Slice carrots thin. Cover with cold water and let stand for two hours to absorb all water possible.
- 2—Slice onions very thin. Fry in two tablespoons butter until golden brown. (Use kettle or fryer with tight cover so that no steam escapes.)
- 3—Put carrots on top of onions, add salt, pepper and a little sugar. Steam over very low flame until carrots are tender.
- 4—Just before serving add a little cream.

# FINEST *American and Danish Grown* CABBAGE SEED

One ounce will produce about 3,000 plants.  $\frac{1}{4}$  oz. of seed for 50 ft. row.

**PLANTS!**  
FROSTPROOF  
AND  
TRANSPLANTED  
CABBAGE  
PLANTS  
On Page  
29.



121.  
EARLY  
JERSEY  
WAKEFIELD

## Late Cabbage

**140. DANISH BALLHEAD (TRUE HOLLANDER)**—(105 days.) The finest late cabbage grown. The head is of an attractive white color, does not burst, and of exceptional flavor, crispness and tenderness. It survives both cold and dry-hot weather. Keeps throughout the winter. For shipping, storage or kraut—it is unsurpassed. Head: 8 inches thick, weighs 6 to 7 lbs., round and extremely solid. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.

**142. PENN STATE BALLHEAD**—(110 days.) Developed by Penn State College of Agriculture. This late cabbage is the heaviest yielder and the most uniform of all. Especially desirable for winter storage and for kraut. Heads: Large, attractive, flattened globe-shape. Extremely hard. Weighing 15-20 lbs. each. Shows resistance to blackleg. Pkt. 8c, oz. 25c,  $\frac{1}{4}$  lb. 70c, lb. \$2.50, prepaid.

**144. PREMIUM LATE FLAT DUTCH**—(100 days.) Slow growing, sure heading, of immense size and splendid quality. A favorite for market growing or for winter storing. Head: 10 to 12 inches thick, 7 inches deep, weighs 12 to 14 lbs.; extremely large, flat and solid. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75, prepaid.

**141. DANISH ROUNDHEAD**—(95 days.) An early, short-stemmed strain of Danish Ballhead. In yield, head size and quality it is similar to Danish Ballhead, however, it is 10 days earlier and has a shorter stem. Pkt., 5c; oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.

## Yellows Resistant Sorts

**134. HOLLANDER, WISCONSIN NO. 8**—(100 days.) A splendid late cabbage for storage, shipment and kraut manufacture. A heavy yielder on land infested so badly with yellows disease that other varieties fail completely. Head: 8 inches thick, weighs 8 lbs., large, almost globe shaped, very firm. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.75, prepaid.

**137. WISCONSIN "ALL SEASONS"**—(90 days.) An excellent kraut and winter keeping sort—valuable in areas infested with "Cabbage Yellows"—also resistant to wilt and will survive heat and drought. Head: 11 inches thick, 8 inches deep, weighs 9 to 10 lbs. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 80c, lb. \$3.00, prepaid.

The best way to start cabbage, especially the early sorts, is in hotbeds, flats, or in a greenhouse. Sow the seed  $\frac{3}{4}$  inch deep, in carefully prepared rich garden soil. Seed usually germinates in 5 to 10 days. When ready to transplant, set into paper pots or plant bands, in flats, until time to set outdoors. The plants can then be set out without disturbing the roots, and the paper bands form the best protection against cutworms. Set in rows 2 feet apart, 20 inches apart in the rows.

Late cabbage may be sown in the open, in rows, and transplanted when 4 to 6 inches high.



138.  
GOLDEN ACRE.

## Early Cabbage

**121. EARLY JERSEY WAKEFIELD**—(62 days.) Extra early small plants with short stems—permitting close setting in the row, and hard, compact pointed heads of splendid quality. A valuable addition to home or market garden. Head: 5 inches thick, weighs 2 to 2 $\frac{1}{2}$  lbs., small, compact, conical, 7 inches long. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.90, prepaid.

**138. EXTRA EARLY GOLDEN ACRE**—(63 days.) This is the earliest round headed cabbage. A Copenhagen type, but a week earlier than Copenhagen Market. Of high quality. Golden Acre is the most profitable sort on the early market. Head: 6 inches thick, weighs 3 lbs., small, round and solid. Stem, short. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.

**126. GLORY OF ENKHUIZEN**—(75 to 80 days.) A second early sort particularly valuable for kraut. A good shipper. Head: 8 inches thick, weighs 5 to 8 lbs., large, round, solid, with few outer leaves, of excellent quality. Stem: medium short. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00, prepaid.

**133. EARLY DWARF FLAT DUTCH**—(71 days.) A fine medium early sort and a dependable header for market or home garden. It will withstand heat, is noted for flavor and tenderness, and is a fine keeper. Head: 8 inches thick, weighs 4 to 5 lbs., nearly round, solid and of good quality. Stem: short. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.60, prepaid.

**136. EARLY COPENHAGEN MARKET**—(68 days.) Very early and of uniform maturity, compact plants, and of excellent quality. Splendid for early market and shipment. Valuable as an early kraut variety and a good home garden sort. Head: 6-7 inches thick, weighs 3 $\frac{1}{2}$  to 4 lbs., round, solid and of superior quality. Stem: short. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75, prepaid.

## Red Cabbage

**152. MAMMOTH RED ROCK**—(98 days.) The largest and best of the red cabbages. Of superior quality and an excellent keeper. Head: 7 inches thick, weighs 7 to 8 lbs., round, extremely hard, color purplish red. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.

Treat Cabbage Seed  
with SEMESAN  
for Bigger and  
Better Crops. See  
details on Page 18.

## Jubilee Menu Suggestion . . . *Serve Delicious BAKED CABBAGE!*

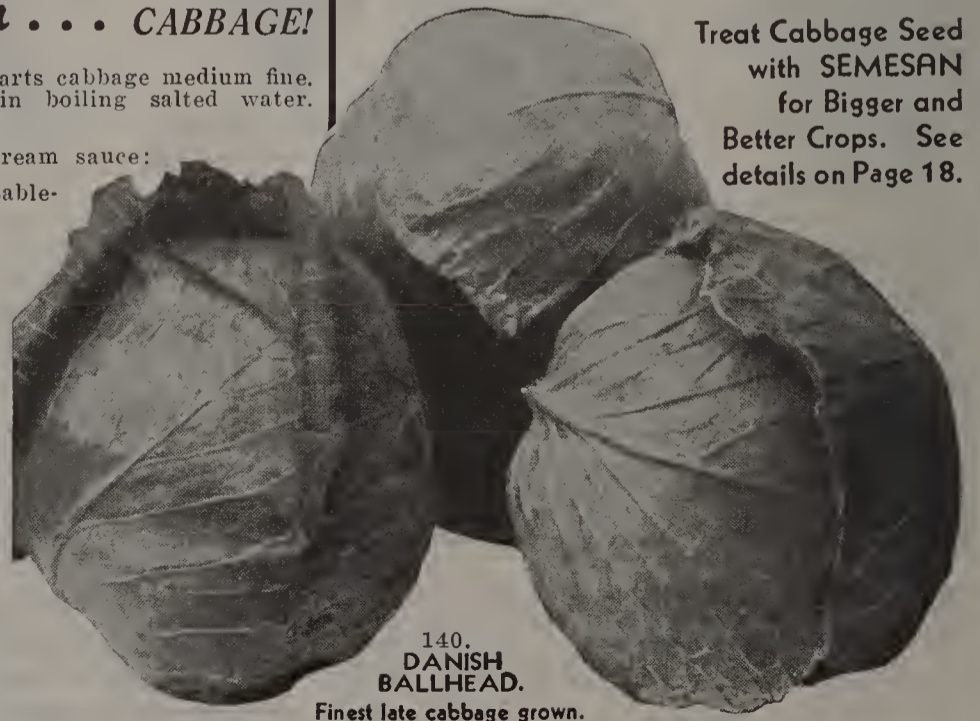
Chop 1 $\frac{1}{2}$  or 2 quarts cabbage medium fine. Cook 10 minutes in boiling salted water. Drain.

Make following cream sauce:

Melt 1 rounding table-spoon butter, add 1 tablespoon flour and stir quickly until smooth.

Add gradually 1 cup milk, stirring constantly until it begins to thicken.

Grease a baking dish with butter, sprinkle liberally with cracker crumbs. Put in half of the boiled cabbage, and add half of the cream sauce; add remainder of cabbage and cream sauce and a layer of cracker crumbs. Dot with butter and bake 20 minutes in hot oven.



140.  
DANISH  
BALLHEAD.  
Finest late cabbage grown.

# Finest Danish Grown Cauliflower

One ounce of seed will furnish 2,500 to 3,000 plants.

**CULTURE:** Sow the seed in flats or hotbeds, in a rich soil composed of equal parts of garden soil, leaf mould, and sand. Seed may be started in February or March. Transplant to other flats, or to paper pots, when the plants are 2 or 3 inches high. Set outdoors as soon as weather permits, 2 to 3 feet apart each way. The soil should be rich, containing plenty of humus matter and moisture. While the heads are form-

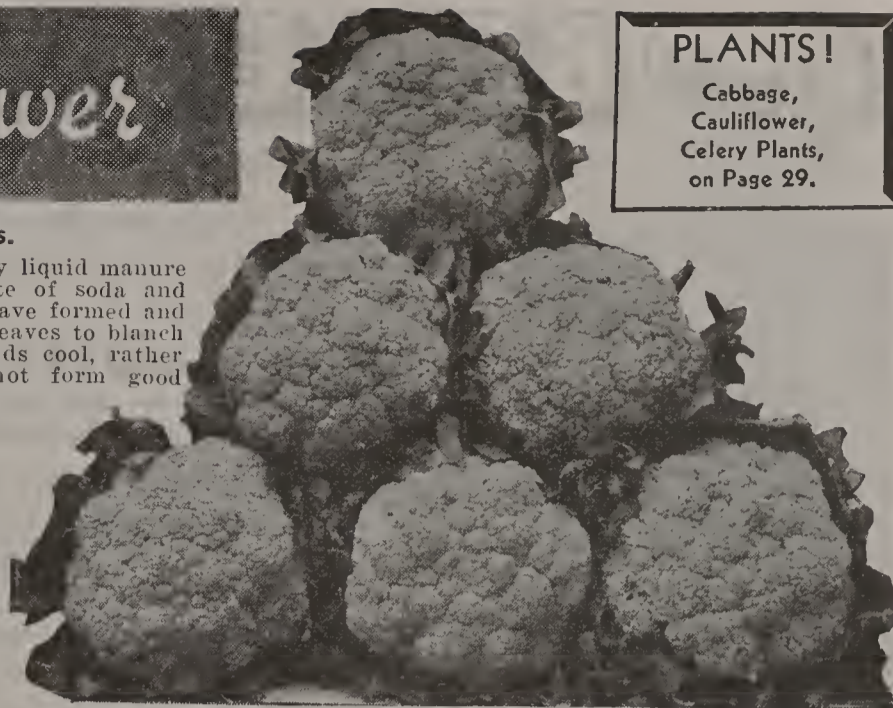
ing, water freely, and apply liquid manure or light dressing of nitrate of soda and potash. When the heads have formed and are hard, tie up the outer leaves to blanch the heads. Cauliflower needs cool, rather damp weather and will not form good heads in a dry, hot season or in dry sections.

## PLANTS!

Cabbage,  
Cauliflower,  
Celery Plants,  
on Page 29.

**166. SUPER SNOWBALL CAULIFLOWER**—(52 days.) An extra early strain of the famous Snowball with particularly attractive pure white, solid heads. Excellent for forcing or general field culture. Its early and even maturity and unsurpassed quality brings a premium on any market. Heads: 6 to 7 inches thick. (See inside back cover.) Pkt. 15c, 1/4 oz. 50c, 1/2 oz. 90c, oz. \$1.65, 1/4 lb. \$6.00, post-paid.

2,500 to 3,000 Plants from 1 oz. of seed. 6 to 7 ounces plant an acre. Number of days from setting out plants to marketable heads listed here.



Super Snowball Cauliflower brings highest market price.

**165. DRY WEATHER OR DANISH GIANT**—(67 days.) A variety well adapted to dry weather conditions. It is later than Early Snowball and of larger growth. Heavy foliage fully protects the heads, which are less liable to blight in hot weather. Dry Weather requires less moisture than other sorts, yet quality is superb. Head: 6 to 8 inches thick, weighs 2 lbs., hard, creamy white and of delicious flavor. Pkt. 10c, 1/4 oz. 40c, 1/2 oz. 60c, oz. \$1.00, 1/4 lb. \$3.75, prepaid.

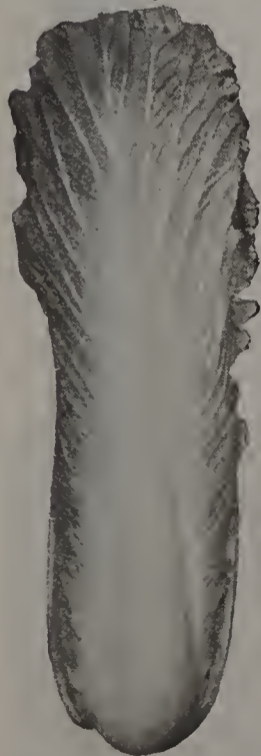
**160. EARLY SNOWBALL**—(55 days.) One of the best and most widely used early varieties. The plants are dwarf with short, pale green leaves. A dependable header. Although this is an extra early sort, it can also be planted to advantage for late fall and winter use. Head: 6 to 7 inches thick, of medium size, firm, compact, solid, pure white, and of finest quality. Pkt. 10c, 1/4 oz. 40c, 1/2 oz. 60c, oz. \$1.00, 1/4 lb. \$3.75, prepaid.

**161. SELF PROTECTING DANISH PERFECTION**—(58 days.) A main crop sort of Early Snowball type with somewhat larger heads, and several days later in maturing. However the heads are better protected by large leaves which does away to a certain extent with the necessity of tying up the leaves to blanch the heads. Heads: 7 to 8 inches thick, weighs 2 1/4 lbs., compact, snow white and very attractive. Pkt. 10c, 1/4 oz. 40c, 1/2 oz. 60c, oz. \$1.00, 1/4 lb. \$3.75, prepaid.

## Chinese Celery Cabbage

**157. NEW CHIHILI**—An exceptionally fine Chinese Cabbage. Early growing and sure heading, resembling Cos Lettuce, producing large, solid white heads of upright growth, torpedo shaped, long and pointed at the top, about two feet in height. Leaves are broad, compact, tightly folded and beautifully white and very crisp. Sow after July 1st to avoid flowering. Pkt. 8c, oz. 20c, 1/4 lb. 50c, prepaid.

**158. WONG BOK**—The largest of the Chinese Cabbages, a little shorter and thicker than the "Chihili" variety, and will not go to seed readily. Delicious as a salad vegetable. Heads are thick, oblong, with tightly folded, crisp, white leaves, as tender as those of head lettuce. The flavor is that of very solid cabbage, blended with celery. Do not sow until June or July to avoid flowering. It makes a delicious salad, sliced and served with French dressing. Boiled like cabbage, Celery Cabbage is especially fine. Pkt. 5c, oz. 15c, 1/4 lb. 45c, lb. \$1.65, prepaid.



Chinese Celery Cabbage.  
New Chihili.

**159. CHINESE CELERY CABBAGE (For Poultry)**—A new cheap, green feed of great value for poultry, more productive than lettuce, spinach or mangels. Sow the seed in rows 1/2 inch deep and 24 inch apart, using 3 lbs. seed per acre. An ounce of seed will provide green feed for 100 hens for 4 months. Commence feeding Chinese Cabbage when plants are 4 inches high, pulling out every other plant. Plants form heads of 5 to 7 lbs. in 2 months, which can be stored until wanted. Pkt. 5c, oz. 15c, 1/4 lb. 45c, lb. \$1.50, ppd.

## Superior—CELERY—Strains

An ounce of celery seed will produce 7,500 plants.



Golden Self Blanching Celery.  
Wholesome and delicious,

1/4 pound of seed will produce enough plants for one acre.

Note: Number of days from planting seed to edible stage are listed here.

**CULTURE**—Sow the seed in flats, during February or March. Celery seed germinates slowly and the surface of the soil must be kept constantly moist. Cover the seed very lightly, with fine sand rather than with soil, to prevent a hard surface. When plants are 2 or 3 inches high, transplant them to other flats. In May, set them out in rows 3 feet apart, 6 inches apart in the rows.

To blanch celery, hill up the stalks with earth, but do not let any dirt fall into the hearts of the plants, and do not work at it while wet. Celery may also be banked with boards pushed close to both sides of the rows. For winter store in cellar.

**195. SELECT FRENCH GOLDEN SELF BLANCHING**—(118 days.) This is the best Celery for early table use, and is the most popular grown for the market. Bleaches as well as any yellow variety but not recommended as a late sort. The plants grow to medium size, and are stocky and compact. The heart is rich golden yellow, with light yellowish green outer stalks and leaves. Stalks are broad and heavy, but remarkably crisp and tender, entirely free from stringiness and of fine flavor. Pkt. 10c, oz. 40c, 1/4 lb. \$1.50, lb. \$5.00, prepaid.

**197. AMERICAN GOLDEN SELF BLANCHING**—(120 days.) Popular with market gardeners and shippers. Plants are medium in height, stocky and compact; foliage yellowish green; stalks are very solid, broad, of delicate nutty flavor; blanches readily to golden yellow. Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. \$2.75, prepaid.

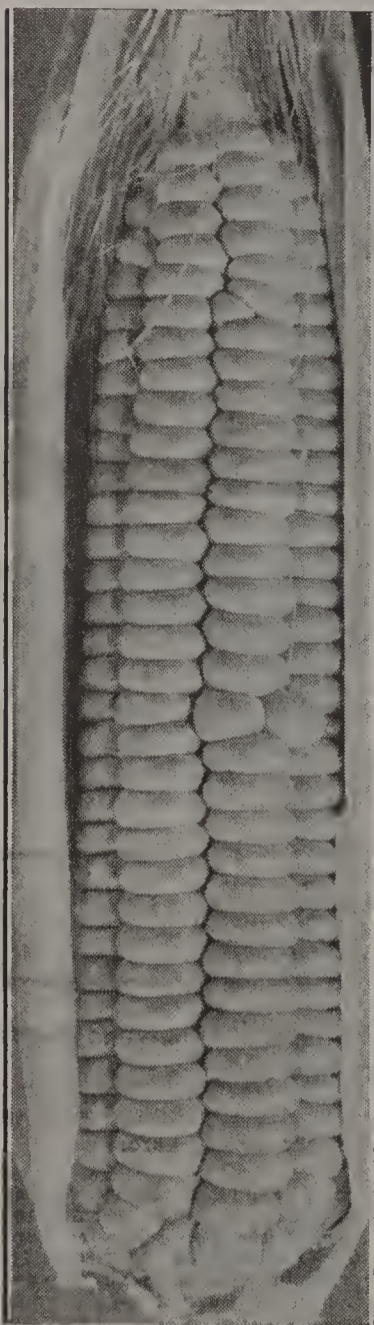
**198. MICHIGAN GOLDEN**—(Yellows Resistant Strain.) A new strain of self-blanching Celery highly resistant to yellows or root rot. It is intermediate in type between Tall Golden and Golden Plume. It has shown unusual resistance to yellows on infested soils. Recommended by Michigan State College. Pkt. 15c, 1/2 oz. 75c, oz. \$1.35, 1/4 lb. \$5.00, prepaid.

Read about MASTER CHICKS  
See page 84

We Offer Transplanted Cabbage, Cauliflower and Celery Plants on Page 29

# Grow **BETTER SWEET CORN** for HOME AND MARKET

One pound will plant 200 to 300 hills; use 10 to 15 pounds per acre.



Extra Early Golden Gem.

**CULTURE:** A rich warm soil will give the best results. Work soil thoroughly before planting. Plant in hills 3 to 3½ ft. apart each way, or sow in rows 3½ ft. apart, placing the seed about 8 inches apart in the

rows. Plant as soon as danger of frost is past; for succession, plant every two weeks until July. Give frequent and thorough but shallow cultivation.

**NOTE:** Days from planting to eating stage are listed.

## HYBRID SWEET CORN

Sensationally Superior to Common Strains.

The outstanding new Minnesota Experiment Station "Golden Bantam" hybrids feature greatly increased yields, more uniform maturity and are far superior to normal Bantam in quality, flavor and tenderness. The finest Sweet Corn you have ever grown—costs a trifle more, but worth much more. (See front cover.)

**MINHYBRID 203**—8 days earlier than normal Golden Bantam. No finer table quality obtainable. Absolutely no other corn so sweet and tender. A real gold mine for the market grower who specializes in quality. Top prices when folks are hungry for Sweet Corn. The home gardeners also can't go wrong on this. Ears: 6 to 6½ inches long, 8-rowed, yellow, maturing evenly. Plant: somewhat shorter and yield is better than that of normal Bantam. Prices below.

**MINHYBRID 202**—5 days earlier than normal Bantam but still surpassing it in both quality and yield. Produces 15,000 marketable ears per acre! Fancy quality, extra tender, with high sugar content. Ears: 6 to 8 inches long, 8-rowed, with a few ears 10-rowed; kernels medium large, yellow. All ears mature uniformly. (See front cover.) Prices below.

**MINHYBRID 201**—About a week later than Golden Bantam, but far outstripping it in yield. This hybrid still has the same high quality of normal Bantam. Gardeners and canners—think of getting 18,000 marketable ears per acre! Ideal for whole ear pack. Ears: 5 to 7 inches long, 8 to 10-rowed. All ears maturing evenly—kernels medium sized, golden yellow. Prices below.

**NOTE:** Don't buy Hybrid varieties of Sweet or Field Corn with the idea of saving your own seed. By doing so these strains will revert and lose their Hybrid vigor and productivity. First generation seed only should be planted from the breeding plots of experienced growers. The extra returns more than offset the seed cost.



Minihybrid 202—highest sugar content.



Early Sunshine.

**244. GOLDEN CROSS BANTAM**—(84 days.) An extra heavy yielding Golden Bantam hybrid favored by the leading canning factories. Famous for its large ears, uniformly filled with tender golden kernels of high sugar content. Well adapted to market growing. Stalk 6 ft. high, ears 8 inches long, 10 to 14 rowed. Prices below.

**229. TENDER GOLD (Top Cross Sunshine)**—(78 days.) A good canning and market growers sort about a week earlier than Golden Cross Bantam. Sturdy, vigorous stalk. Ear is 12 to 16 rowed. Kernels of medium size, golden yellow, tender, and of fine quality.

**PRICES**—ALL HYBRID SWEET CORN: Your choice of any Hybrid variety. Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.50, prepaid.—Not prepaid 15 lbs. and over at 25c per lb.

## Use "Master Ear Worm Dust"

Remember what a time you had with ear worm in your sweet corn in the past? Well here's an easy, inexpensive way to put a stop to the ravages of the corn ear worm this year.

Merely apply "MASTER EAR WORM DUST" when the silks begin to appear. Apply every 10 days until 2 or 3 applications have been made.

"MASTER EAR WORM DUST" is very easily and quickly applied, and saves its cost tenfold in enabling you to produce a perfect crop of sweet corn. Full instructions on every package. (Use 40 to 50 lbs. per acre.)

Prices: 1 lb. 25c, prepaid.—Not prepaid, 5 lbs. 75c, 10 lbs. \$1.25, 100 lbs. \$5.00.

## 245 "ALL SUMMER COLLECTION"

Pick fresh Sweet Corn throughout the summer. How good that flavor can be if picked just an hour before using! Here's a collection that can be planted at one time and will supply your table all summer.

A—Early Golden Sunshine. Extra early.  
B—Golden Bantam. Medium early. Always dependable.  
C—Stowell's Evergreen. Popular late white variety.

**SPECIAL PREPAID PRICE** { 1 pkt. of each of these 3 varieties...15c  
½ lb. of each of these 3 varieties...49c  
1 lb. of each of these 3 varieties...85c



# Sweet Corn—Pop Corn



**235. GOLDEN COLONEL**—(93 days.) Delicious golden yellow, sugar-sweet corn, in prime eating stage, when there is nothing but white corn on the market. A cross between Country Gentleman and Golden Bantam with the late maturity, nectar sweetness, and juicy tenderness of Country Gentleman, plus the deep golden yellow color and delicious flavor of Golden Bantam. The "shoe-peg" kernels are set in zig-zag pattern. Pkt. 5c, 1/2 lb. 18c, 1b. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid 15 lbs. at 18c per lb.

**234. OREGON EVERGREEN**—(87 days.) A medium late variety which has long been a favorite on the Pacific coast. It has recently been found to produce successfully in the Middle West. We ask canners, home and market gardeners to try this corn. Ear: 7 1/2 to 9 inches long, 14 to 18-rowed, medium thick; kernels clear white, medium length, sweet and of good flavor. Stalks: 7 to 7 1/2 feet. Pkt. 5c, 1/2 lb. 15c, 1b. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. at 16c per lb.



242.

Stowell's  
Evergreen

The  
Most  
Popular  
Old  
Favorite  
Late  
White  
Sweet  
Corn

**248. BURBANK GOLDEN AMBER**—A new golden yellow pop corn of exceptional tenderness, surprisingly early and about the finest quality of any butter colored pop corn we have discovered so far. In seasons when all corn carried excess moisture, Burbank was fully matured and in popping condition by November 1. An average ear makes a popper full of the finest flavored corn you ever tasted, and of a golden butter color. Ears average 7 in. long, diameter 1 1/4 in. A most profitable and prolific variety for the Northwest and a popping corn that poppers will be eager to learn about. Price: Pkt. 5c, 1/2 lb. 15c, 1b. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. and more at 16c per lb.

**252. "FARIGOLD" SOUTH AMERICAN YELLOW**—A real Pop Corn sensation—pops the largest kernels of any variety—has a rich golden butter color—very fine flavor—crisp and tender. The ears are much larger than other varieties—7 to 9 inches long and the kernels are golden yellow color. It is the most profitable variety to grow as it produces more bushels per acre on account of its large ears. This Pop Corn is of South American origin. We have successfully matured our own special seed crop here in Minnesota so that the seed we offer will mature earlier. Northern Strain: Pkt. 5c, 1/2 lb. 15c, 1b. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid 15 lbs. and more at 16c per lb.



**242. STOWELL'S EVERGREEN**—(90 days.) The most popular late variety of Sweet Corn. Highly desirable for home or market gardening or for canning. Holds its prime condition at eating stage a long time. Ear: 9 inches long, 16 to 20-rowed; kernels clear white, deep medium width, sweet and tender. Stalk: 8 to 10 feet high, sturdy and erect. Pkt. 5c, 1/2 lb. 15c, 1b. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. at 16c per lb.

**243. COUNTRY GENTLEMAN**—(93 days.) Here is a late, prolific variety of excellent quality, used widely by canners; also very desirable for home and market gardens. Ear: 7 1/4 inches long; kernels very deep, slender, sweet, with tender hull, and set irregularly without row formation. Stalks: 7 1/2 feet high, often bearing 2 ears. Pkt. 5c, 1/2 lb. 18c, 1b. 30c, 2 lbs. 55c, 5 lbs. \$1.15, prepaid.—Not prepaid, 15 lbs. at 18c per lb.

F. S. & N. Co.

*We tried your early Northern Sweet Water Melon and had ripe melons in 67 days from planting. They are fine melons and should be picked before they become too ripe.*

Franklin Foley,  
Manitou Beach, Mich.

## Pop Corn

Pop corn is a profitable crop and one that is always easily disposed of, because of the large demand for corn for popping. It yields well even in unfavorable corn seasons. It is an excellent crop for the boys and girls to grow, and yields almost as much good fodder as field corn.

Plant 12 pounds to the acre, in drills, or use 6 pounds if planted in hills. Plant in rows 3 feet apart, dropping the seed 1 1/2 feet apart in the rows. We have discarded all but the outstanding varieties of Pop Corn and proven money-makers. Such old timers as White Rice and White Spanish cannot compete in quality and flavor with the newer introductions.

**250. NEW HYBRID JAP HULLESS**—Here is the last word in pop corn—the latest triumph of the Minnesota Experiment Station, far surpassing standard Jap Hulless in yield and popping expansion. Minn. Station records over 3 years show 16% greater yield per acre. Its most amazing feature is apparent when the corn is popped, for it expands to a surprising volume (measured at 29% more than ordinary Jap Hulless). This huge popping volume makes this the most highly prized corn for popping and commercial use. We do not hesitate in recommending it as the finest pop corn obtainable from the standpoint of quality, flavor and tenderness. (See note page 12 on saving seed from Hybrid plantings). Seed is exceptionally scarce as this variety has just been introduced. Pkt. 8c, 1/4 lb. 20c, 1/2 lb. 30c, 1b. 45c, 5 lbs. \$2.15, prepaid.—Not prepaid, 40c per lb., 20 lbs. and over at 38c per lb. (See inside front cover.)



New Hybrid Jap Hulless.  
(Minhybrid 250)

**249. JAPANESE HULLESS**—This dwarf corn is used extensively by pop corn venders. The ears are only 2 to 3 inches long, but every kernel on the cob will pop, so there is no waste. Japanese Hulless Pop Corn is almost again as productive as White Rice. The kernels are longer and more slender, and have no hulls. 2 1/4 oz. pkt. 5c, 1/2 lb. 15c, 1b. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. and more at 16c per lb.

### TREAT ALL YOUR SEED CORN

**BARBAK III**, the super corn seed disinfectant. Four ounces is sufficient to treat two bushels of corn. Increases germination and stand, and insures vigorous seedlings. See page 73 for details. We offer treated Sweet Corn in 5-lb. lots and over at 2c per lb. extra.



### Eat More Pop Corn (Not Suitable for Seed)

PRICE, NOT PREPAID:	5 lbs.	10 lbs.
Japanese Hulless .....	\$0.49	\$0.85
New Hybrid Jap Hulless .....	.60	1.00
"Farigold" So. Amer. Yellow, Southern Grown....	.49	.85
Burbank Golden Amber .....	.49	.85

Postage on 5 lbs. to third zone (300 miles) 17c, on 10 lbs. 27c.

# COOL RISP CUCUMBERS for SLICING AND PICKLING

An ounce will plant 50 hills; three pounds per acre.

Note: Days from planting to picking are listed here. The letters W. S. and B. S. indicate the white spined and black spined varieties.

**CULTURE**—Cucumbers require rich soil. Plant the seed in low, flat hills, 5 to 6 feet apart each way, allowing 12 to 15 seeds per hill. Cover with three-fourths of an inch of finely pulverized soil. Thin out all but 4 or 5 of the strongest vines to a hill.

## Pickling Cucumbers

**255. F. S. & N. CO'S EARLIEST PICKLING**—(53 days.) The finest strain of pickling cucumber. It is early, exceptionally vigorous and hardy, and highly productive. Its quality is unsurpassed. Fruit: 9 inches long, 2½ inches thick, straight, smooth, symmetrical, of dark green color; quality and flavor excellent. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

**257. CHICAGO OR WESTERFIELD PICKLING**—(59 days.) B. S. Most widely used of the pickling varieties. Also good for slicing. Fruit: 6½ inches long, 2½ inches thick, medium green, square ended, attractive and prolific. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

**258. EARLY RUSSIAN**—(52 days.) The earliest cucumber in cultivation. Can be picked early for bottle cukes or allowed to grow just a few days longer for first early slicers. Very even, smooth, tender, crisp. Hardy and free from disease. Black spines. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. \$1.70, postpaid.



"Vaughan"—an extra fancy salad cuke of large size.

**267. EXTRA EARLY ARLINGTON WHITE SPINE**—(60 days.) This is a dependable old stand-by for the home gardener. It is early, prolific and of good quality. Fruit: 8½ inches long, 2½ inches thick; weight 2 lbs.; semi-blunt ended, medium green. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

**256. NEW STRAIGHT EIGHT**—All America Gold Medal Award Winner. This new introduction produces symmetrical, almost cylindrical fruit—well rounded at both ends. A White Spine variety running quite straight, regularly 8 inches in length and from 1¾-2 inches in diameter. Color: deep green. A vigorous grower and remarkably productive. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.50, 2 lbs. \$2.70 prepaid.

**272. THE "VAUGHAN" OR LONG-FELLOW**—(70 days.) W. S. Ideal for home garden, forcing or shipping. One of the best long, late varieties. Excellent quality. Perfectly uniform, long, slender shape. Fruit: 12 to 15 inches long, 2¾ inches thick; weight 2¾ lbs.; dark green, symmetrical and attractive. Holds color and crispness well after picking. Pkt. 8c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.75, prepaid.

**278. NEW "TAXPAYER CUKE"**—(Early.) W. S. This striking new cucumber is uniformly nine inches in length, with tapering ends and of an intense dark green color. It is outstanding because of its ability to produce cucumbers over a long period of time, and many of them. It is an improved selection from the old Early Fortune which at one time was the best seller of all White Spines because of its extreme earliness, and the fact that it would produce twice as many fruits as some of the newer sorts. (See front cover.) Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.75, prepaid.

F. S. & N. Co.'s Earliest Pickling—of finest quality.

## 260. IMPROVED LONG GREEN

(70 days.) (Black spined.) This is a standard late variety for home garden; excellent for slicing; hardy and prolific. Dependable. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.25, 2 lbs. \$2.35, prepaid.

**259. EARLY GREEN CLUSTER**—(55 days.) B. S. A small, very early and productive pickling variety, with fruits bunched in clusters of two or three. Fruit: 5¾ inches long, 2½ inches thick; weight 1¼ lbs.; chunky, uniform, medium green. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

**261. EVERBEARING**—(55 days.) B. S. A small, very early variety used for early pickles. Its outstanding feature is that the vines continue to bear throughout the growing season. Fruit: 4½ inches long, 2 inches thick; weight 1¼ lbs.; chunky. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. \$1.70, prepaid.

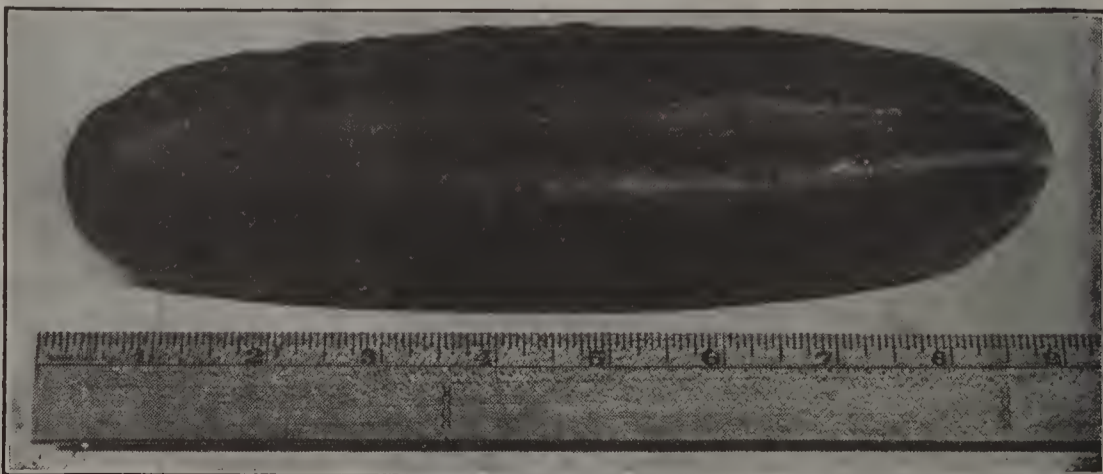
## Refreshing Salad or Slicing Cukes

Control cucumber beetles with Nok-Em-Kold, Garden Guard, Slug Shot or Arsenate of Lead. (Page 77.)

**270. DAVIS PERFECT**—(65 days.) W. S. An excellent mid-season variety for shipping or home table use. Splendid quality and appearance. Fruit: 9 to 10 inches long, 2½ inches thick, weight 2 lbs.; dark green, tapered at both ends; flesh crisp and of good quality. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.85, prepaid.

**271. EVERGREEN WHITE SPINE**—(65 days.) Another excellent variety for home or market gardening, of about mid-season maturity. Similar to Davis Perfect, but larger. Fruit: 10½ inches long, 2½ inches thick; weight 2¼ lbs.; slightly tapered, uniform, dark, shiny green. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.75, prepaid.

For  
Dill  
see  
Page  
28



"TAXPAYER"—very early; cukes for weeks and many of 'em!

## Read About Master Chicks

Compare our Prices on healthy, husky  
Baby Chicks of Proven Quality.  
100% Live Delivery  
Shipped C. O. D.  
See page 84.

Crisp-As-Ice  
Lettuce.



335. CRISP-AS-ICE—the ideal salad Head Lettuce.

## Crisp Head Lettuce

**CULTURE**—For early crops start seed in March in the hotbed, covering  $\frac{1}{4}$  inch. When seedlings are 2 inches tall, transplant to coldframes, setting them 4 inches apart each way. When the ground is warm enough transplant to garden, setting plants 1 foot apart, in rows 12 to 16 inches apart. For general crop, make successive sowings during April and May, thinning plants to proper distance apart. For a fall crop, sow seed in August, to head during the cool weather of September and October.

**331. ALL SEASONS**—B.S. (75 days.) A highly prized variety for home or market garden. Does well in hot summer weather. Plant is large with medium dark thick leaves and with large, round, firm butter-head which is deep yellow inside and of excellent quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, 2 lbs. \$1.90, prepaid.

**332. F. S. & N. CO'S MAY KING**—W. S. (61 days.) The earliest heading variety—for the first outside planting. Leaves: light green, tinged with brown. Head: small, compact, with golden yellow interior and buttery flavor; of fine quality. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.15, 2 lbs. \$2.20, prepaid.

F. S. & N. Co.

*We are well pleased with the way you handled our order. The seeds came very promptly and in good condition, am much impressed by their appearance—the best we have ever seen. Thank you most kindly for the extra packets. My husband is well pleased with the fine quality of the Iogold Oats.*

Mrs. Lester Somers, Roanoke, Ind.

**335. CRISP-AS-ICE**—B.S. (74 days.) A popular sort for the home garden. Forms compact medium-sized head, well blanching and of delicate flavor. Leaves thick and crumpled; deep green over-laid with dark brown, giving a bronze appearance. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.20, 2 lbs. \$2.30, prepaid.

## Mushroom Spawn

Mushrooms  
from Spawn.



Folder With Full Information  
Free.

**American Pure Culture**—This spawn is obtained by selecting spores from individual specimen mushrooms, and is propagated and transferred to bricks of manure, which will produce mushrooms true to type with exceptional uniformity and regularity. Bricks weigh about  $1\frac{1}{2}$  lbs.; a brick will spawn a bed 4 feet square. Pamphlet on mushroom culture with every order.

To grow mushrooms on the lawn, break up the brick of spawn into inch square pieces. Have ready some fresh horse manure, and place a trowel full under the sod at intervals about the lawn. Put a piece of spawn on the manure, and replace the sod. Do this in May. After the warm rains, the lawn will be full of mushrooms.

Price: Brick, 40c, prepaid.—  
Not prepaid: 5 bricks, \$1.65;  
10 bricks, \$2.75.

# Crisp LETTUCE

from  
YOUR OWN  
GARDEN

1 oz. will sow 150 ft. of row; 4 lbs. plant an acre.

Note: The letters B.S. and W.S. refer to the black seeded and white seeded varieties.

## Early Loose Leaf Lettuce

**CULTURE**—Sow as early in spring as the ground can be worked, in rows 12 inches apart; cover seed  $\frac{1}{4}$  inch. A rich, sandy loam is best. When plants are 3 or 4 inches tall, thin out to stand 6 inches apart. For early crop, start in hotbed in early March, later transplanting the seedlings to coldframes, or to a sheltered position in the garden. If lettuce is cut above the crown, it will grow new leaves.

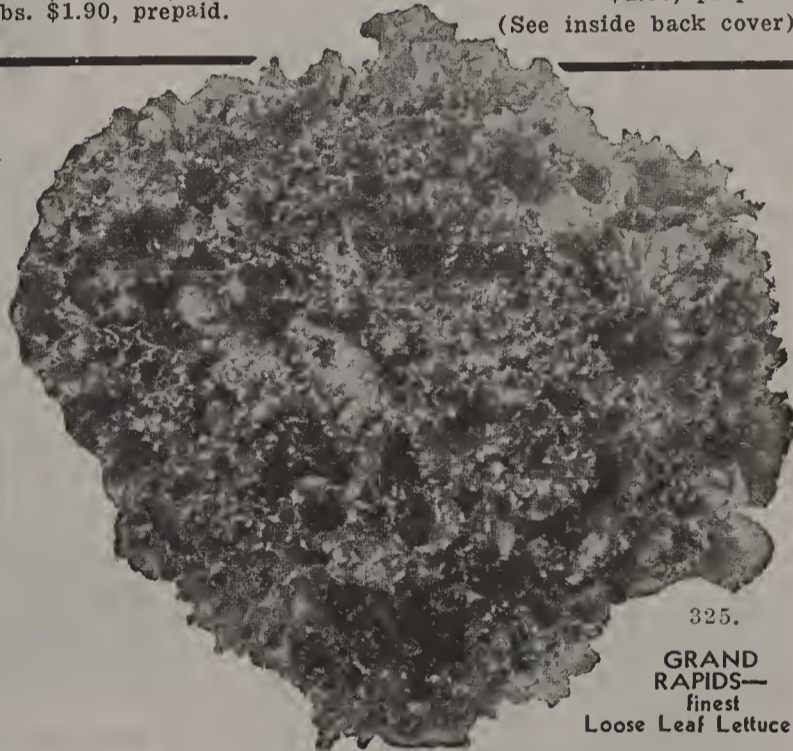
**325. GRAND RAPIDS**—B.S. One of the most popular loose-leaved varieties. Excellent for early planting and greenhouse forcing. It is very early, hardy, and disease resistant and is exceptionally tender when grown under glass. Handsome leaves are light green, broad, wavy, curly and heavily fringed. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.10, 2 lbs. \$2.00, prepaid.

**329. PRIZEHEAD**—W.S. A very early, quick growing, non-heading sort, which is rapidly becoming the most popular loose-leaf variety for home gardens. Leaves are broad, crumpled and frilled; outside leaves tinged red, inner leaves wholly green; very crisp, sweet and tender. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, 2 lbs. \$1.90, prepaid.

**326. BLACK SEEDED SIMPSON**—Early and dependable in all parts of America. Popular in many home and market gardens. Plant is large, attractive, compact, non-heading. Leaves are light green, broad and frilled; of fine, crisp texture and quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, 2 lbs. \$1.90, prepaid.

**327. SIMPSON'S EARLY CURLED**—W.S. The most widely used home garden variety. Early, hardy, dependable. Plant is large, compact, lustrous green, non-heading. Leaves broad, frilled, firm, very crisp and sweet—of excellent quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, 2 lbs. \$1.90, prepaid.

(See inside back cover)



325.  
GRAND  
RAPIDS—  
finest  
Loose Leaf Lettuce.

MARKET GROWERS  
Ask for Special Price List.

**336. HANSON**—W.S. (80 days.) Here is a very hardy, sure heading sort for home gardeners or truckers. Can be grown with success anywhere in America, and good for midsummer planting. Plant: very large with broad, curly leaves, fringed at the edges. Head is large, round, hard, white at the heart, tender and sweet. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.15, 2 lbs. \$2.20, prepaid.

**338. WONDERFUL, NEW YORK, OR LOS ANGELES**—W.S. (80 days.) The outstanding shipping variety, known in all markets. Flavor and tenderness are combined with unusual keeping qualities. Our special strain is noted for the large size of heads. The dark green leaves are slightly curled on the edges. The large, tightly folded cabbage-like head is well blanching, crisp and sweet. Quality is excellent. Pkt. 8c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50, 2 lbs. \$2.80, prepaid.

**339. BIG BOSTON**—W.S. (75 days.) Especially valuable for summer and fall use out-of-doors, and for hotbed and coldframe culture. Good for shipping short distances. Leaves smooth and glossy, with edges wavy and tinged reddish brown. The firm, well folded head, buttery-yellow at the heart, is of excellent quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.15, 2 lbs. \$2.20, prepaid.

**340. MIXED LETTUCE SEED**—All kinds mixed. If not sown too thickly, will make a continuous crop. The best early and late varieties of curly leaf as well as head lettuce. Pkt. 5c, oz. 8c,  $\frac{1}{4}$  lb. 25c, lb. 75c, 2 lbs. \$1.40, prepaid.

**341. CHICKEN LETTUCE**—Chickens need green food. This lettuce will yield a large amount of greens throughout the season, as it makes successive crops after cutting. Pkt. 5c, oz. 8c,  $\frac{1}{4}$  lb. 25c, lb. 85c, 2 lbs. \$1.60, prepaid.

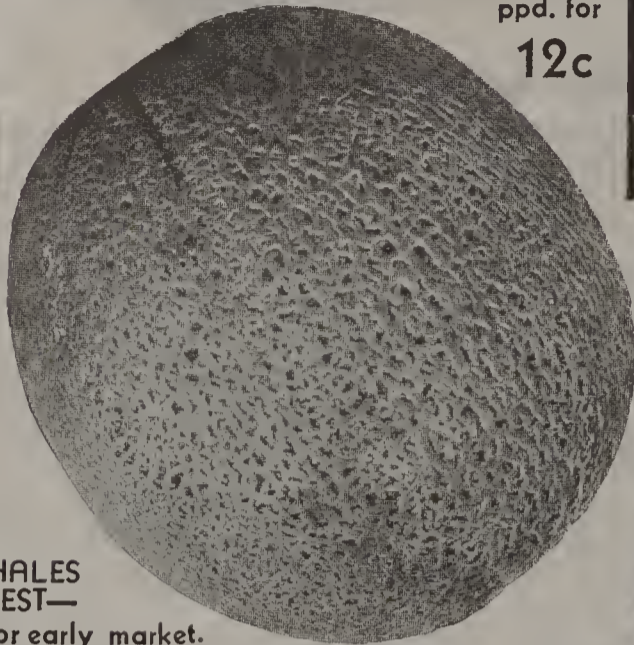
## All-Season Assortment

Luscious muskmelons for your table all summer long! The cream of all varieties for home garden

### ONE PACKET EACH:

Lake Champlain—Extra Early.  
Osage or Miller's Cream—Medium.  
New Sugar Rock—Main Crop.

3  
pkts.  
ppd. for  
12c



**HALES BEST—**  
for early market.

**358. HALES BEST—80 days.** An outstanding early shipping cantaloupe. Flavor and quality excellent, and withstands drought remarkably well. Can be shipped long distances. Fruit: oval, 6½ inches long, almost devoid of ribbing, covered with heavy netting. Flesh: extremely thick, salmon-orange color, sweet and of fine quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.

**360. OSAGE OR MILLER'S CREAM—92 days.** A popular old favorite for home or market growing—and a good yielder of exquisite flavored melons. Fruits are oval or egg shaped with slight ribs and netting and dark green skin when immature, ripening to mottled orange and green. Melons are 7 inches long, weigh 5 lbs. Small seed cavity with very thick, firm, pink flesh of spicy flavor. Carries well in shipment. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.



**360. OSAGE or MILLER'S CREAM—has spicy flavor—a most popular all-purpose melon.**

## Green Fleshed Melons

**350. MINNESOTA MELTING SUGAR—86 days.** The sweetest richest flavored of all green-fleshed muskmelons. Fruit: oval in form, distinctly ribbed and heavily netted. Flesh: very firm, of green color, exceptionally sweet, sugary, juicy and tender, with rich aromatic flavor. Vines yield an abundant crop of uniform sized melons, early in season. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.

# MUSKMELON

**GROWN RIGHT  
TESTED RIGHT  
PRICED RIGHT**

One ounce will plant 60 hills, 2 to 3 pounds per acre.

**CULTURE—**Muskmelons or cantaloupe require warm, rich soil, slightly sandy. Plant when all danger of frost is past, in hills 6 feet apart each way, 8 to 10 seeds to a hill. Well-rotted manure carefully worked into the soil is beneficial. After danger of insects is past, thin out to 3 or 4 plants to a hill. Cultivate until vines cover the ground, and pinch off the ends of the vines. Give them plenty of moisture. Early melons ripen in 80 to 100 days. General crop, 110 to 140 days.

## Orange Fleshed Melons

**359. EARLY LAKE CHAMPLAIN—75 to 80 days.** Absolutely the earliest of all orange fleshed melons. Fine flavor and quality. A very good early market and home garden variety. Fruit: nearly round, 5 to 6 inches in diameter, slightly ribbed and covered with an open, moderately coarse netting. When fully ripe, fruits show a golden yellow color through the netting. Flesh: fairly thick, deep orange-salmon in color, juicy and very sweet. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.



**349. MILWAUKEE MARKET—An excellent eating Melon—very popular for Market.**

**357. SUGAR OR HONEY ROCK—85 days.** It is a money-maker and a source of pride for every grower because of its handsome appearance, marvelous and distinctive flavor, and wonderful shipping qualities. Sweet as sugar, solid as a rock and easy to grow. Very popular among home and market growers. Fruit: nearly round, about 6 inches in diameter, weight 4 lbs. Skin grey-green, covered with coarse netting. Flesh: thick, juicy, orange-salmon color, with fine flavor. (See inside back cover.) Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.80, prepaid.

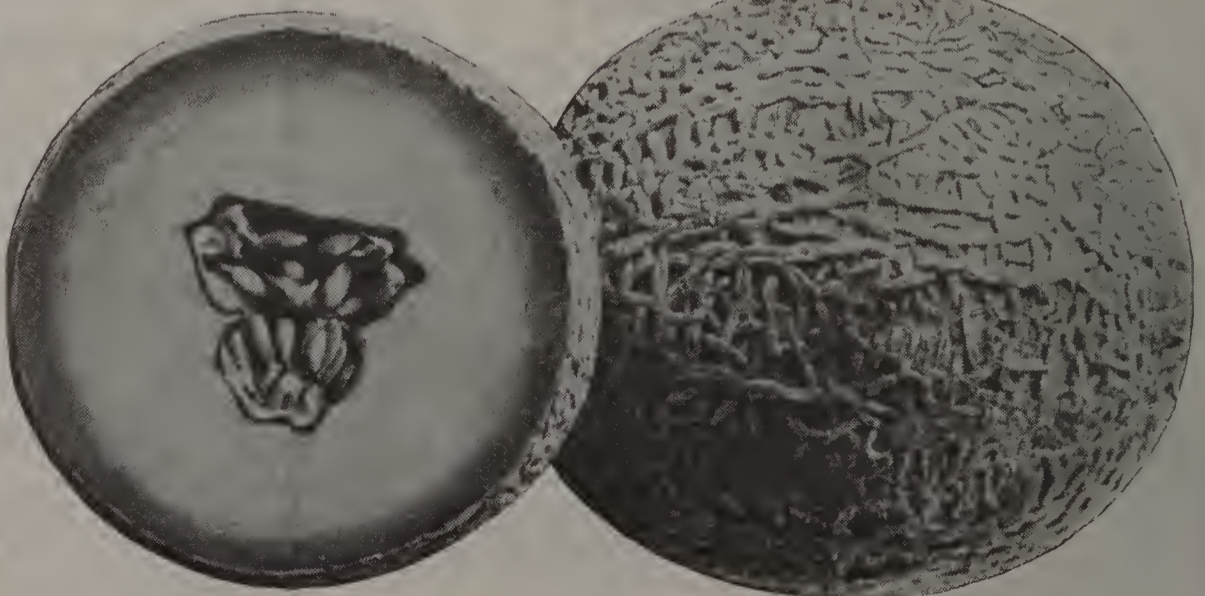
**363. GOLDEN DELICIOUS—88 days.** Resembles the popular Bender's Surprise but is extra early, ripening just after Lake Champlain. Light green, finely netted, oval fruits. Firm, tender flesh of a deep orange-yellow color. Of surprisingly sweet flavor. The melons weigh about 5 lbs. each and contain an astonishingly large quantity of luscious sweet flesh. The hard rind makes them carry well in shipment over considerable distances. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.10, 2 lbs. \$2.00, prepaid.

**364. HEARTS OF GOLD—95 days.** Grown extensively by market gardeners, likewise a good shipping type. Follows the earlier varieties. Quality is splendid. Fruit: 6 inches thick, practically round, weigh 2 lbs., slightly ribbed, covered with fine grey netting. Flesh: very thick, deep pink salmon, tender, juicy, sweet and aromatic. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.

**365. BENDER'S SURPRISE—90 days.** An improved surprise melon which is a splendid shipper and a high quality market melon. Also a favorite of many home gardeners. Fruit: oblong, 8 inches long, 6 inches thick, full rounded ends, weigh 7 lbs., coarse netting, distinctly ribbed; skin hard and greenish yellow at maturity. Flesh: bright salmon, of delicious flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.

**349. MILWAUKEE MARKET—87 days.** A delicious large salmon fleshed sort; slightly oval in shape, heavily netted and with prominent ribs. Uniform as to size and quality. Flesh: salmon colored, thick and firm, and of aromatic flavor. Medium early, producing ripe melons late in August. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.50, prepaid.

**Treat MELON SEED with  
SEMESAN** See page 18  
for details



**357. SUGAR or HONEY ROCK—an attractive new melon of distinct, spicy flavor.**

# Best Watermelons FOR THE North

Four ounces will plant 100 hills; sow 4 to 5 pounds per acre.

**CULTURE**—The best soil for growing watermelons is light, rich, and sandy. When the ground is thoroughly warm, and all danger of frost is past, drop 8 to 10 seeds in hills 8 to 10 feet apart, covering the seed about an inch. When the plants begin to run to vines, thin out all but the 3 strongest plants in each hill.

**369. EARLY KANSAS**—(Also known as Red Russian or Red Seeded Hutchinson.) (85 days.) A new melon of genuine merit. It has suddenly become very popular on the markets of the Midwest, due to its earliness combined with large size, and its attractive appearance—plus fine quality. The skin is dark green with alternate stripes of a lighter shade. The rind is of medium thickness—well suited for carrying reasonable distances—and the flesh is a rich red color, of delightful flavor. Average size 15 by 13 inches; weight 40 lbs. Seeds brown. (See inside front cover.) Pkt. 8c, oz. 12c, ¼ lb. 25c, ½ lb. 45c, 1 lb. 80c, prepaid.



**EARLY KANSAS**—or Red Russian—a new early melon of good size and quality.

**370. COLE'S EARLY**—(75 to 80 days.) A leading first early variety for home garden and truckers to local markets: reasonably productive, and particularly desirable for the Northwest as it matures in a short season. Fruit: weight 20 lbs., medium size, short, oval, with alternate light and dark green stripes; tender rind. Flesh: pink-red, of good flavor; seeds black. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 40c, 1 lb. 70c, prepaid.

**371. EARLY ROUND LIGHT ICING**—(85 days.) A very productive mid-season melon of excellent quality. Adapted to home or market gardens in the Northwest. Fruit: weight 20 lbs., oval round, very uniform, light green, with indistinct veining of darker green. Rind thin and tender. Flesh: light red, of excellent quality; seeds white. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 45c, 1 lb. 80c, prepaid.

**372. EARLY KLONDIKE**—(80 to 82 days.) An early type melon very popular with the home gardener and also highly desirable for shipping. In eating quality it has no equal. Fruit: weight 20 to 25 lbs., oblong, slightly tapering to blossom end; medium sized with slight ribs. Rind medium hard. Flesh: bright deep red, tender and very sweet. Seeds small, black and white. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 40c, 1 lb. 70c, prepaid.

**376. STONE MOUNTAIN**—(90 days.) A high quality shipping variety, recently introduced, and already popular in northern markets; also highly desirable for garden planting. A rare combination of large size, good shipping qualities, and mid-season maturity. Fruit: very large, weight 30 to 50 lbs., oval-round with blunt ends; dark green with tough rind. Flesh: rich scarlet, fine grained and sweet. Seeds white with black tips. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 40c, 1 lb. 70c, prepaid.

**390. CITRON**—For making preserves. Flesh: clear white and solid. Fruit: round and smooth, quite small. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 75c, prepaid.

## Melons in 70 Days!

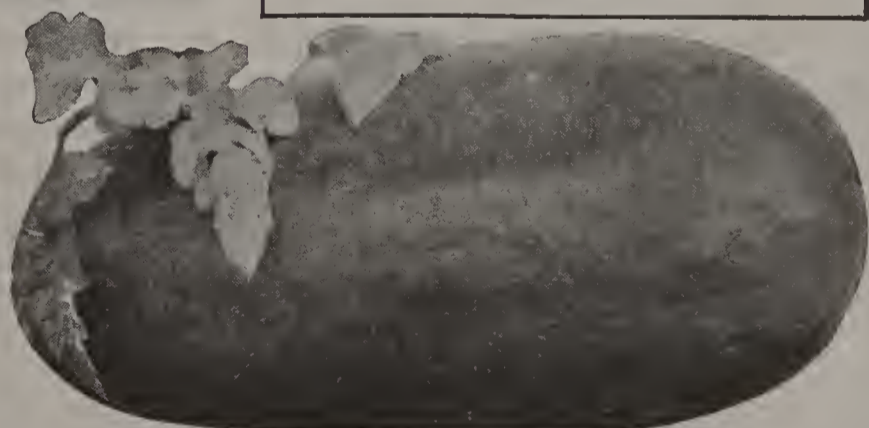


**374. EARLY NORTHERN SWEET**—Here's the newest thing in watermelons for the North. Introduced by Minn. Experiment Station, and the seed was originally brought in from Russia. This amazing melon ripens in 9 to 10 weeks from planting. Of an attractive green color, striped with lighter green. Flesh is dark red and tender, with a rich sugary flavor. Weighs 9 to 10 lbs. Splendid for early market or home garden. It is important that melons be picked as soon as they ripen, otherwise flesh tends to become slightly stringy. Pkt. 8c, oz. 15c, ¼ lb. 45c, ½ lb. 75c, 1 lb. \$1.25, prepaid.

8c per Packet prepaid

**382. NEW WINTER MELON**—(78 days.) Here's a sweet luscious watermelon for your Thanksgiving dinner, from your own garden. An early sort, very prolific and an excellent shipper. This melon will keep 2 months after picking if properly stored. Fruit: small, weight 10 lbs., round, pale yellow when ripening. Flesh: bright red, crystalline, very sweet. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 40c, 1 lb. 70c, prepaid.

**383. KLECKLEY'S SWEET**—(85 days.) A splendid medium early variety, especially desirable for home garden use and for truckers serving local markets. It will not stand long distance shipping. A melon of outstanding quality and unusual sweetness. Fruit: large, weight 30 to 40 lbs., cylindrical dark bluish green, with thin tender rind. Flesh: bright red, tender and extremely sweet. Seeds white. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 40c, 1 lb. 70c, prepaid.



**KLECKLEY'S SWEET**, a delicious medium early Melon.

For a  
PERFECT CROP  
of  
WATERMELONS

Use  
SEMESAN.

See page 18.

**NEW WILL ROGERS**—often grow to enormous size. A worth while addition to the garden.

**384. WILL ROGERS**—(88 days.) Another new early melon of the Stone Mountain type, often growing to enormous size. Average size 14 by 12 inches; weight 35 lbs. Shaped like Stone Mountain, with white seeds tipped black. Skin is dark green, and flesh is bright red—of good quality. Pkt. 8c, oz. 12c, ¼ lb. 25c, ½ lb. 45c, 1 lb. 80c, prepaid.

**385. GOLDEN HONEY**—(88 to 90 days.) An excellent home garden or local market melon with amber-yellow flesh that is so sweet, crisp and glistening it fairly melts in your mouth. Fruit: medium size, weight 20 lbs., chunky, nearly round, light green with mottled darker green stripes; rind brittle. Flesh: amber-yellow, crisp and delicious, free from stringy sections. Seeds brown. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 40c, 1 lb. 70c, prepaid.

**386. EARLIEST AND SWEETEST**—(75 days.) A fine early home garden melon, perfectly adapted to the short growing seasons of the Northwest. Fruit: medium size, weight 10 to 15 lbs., oblong shape, rind mottled with several shades of green. Flesh: scarlet, of extra fineness and sweetness. Entirely free from stringiness. Pkt. 5c, oz. 10c, ¼ lb. 25c, ½ lb. 40c, 1 lb. 70c, prepaid.

**388. MIXED WATERMELON**—For those wishing an assortment of watermelons, we have put up a special mixture containing our best and most popular varieties. Pkt. 5c, oz. 10c, ¼ lb. 20c, 1 lb. 50c, prepaid.

F. S. & N. Co.

*We tried your early Northern Sweet Water Melon and had ripe melons in 67 days from planting. They are fine melons and should be picked before they become too ripe.*

Franklin Foley,  
Manitou Beach, Mich.

## Okra or Gumbo

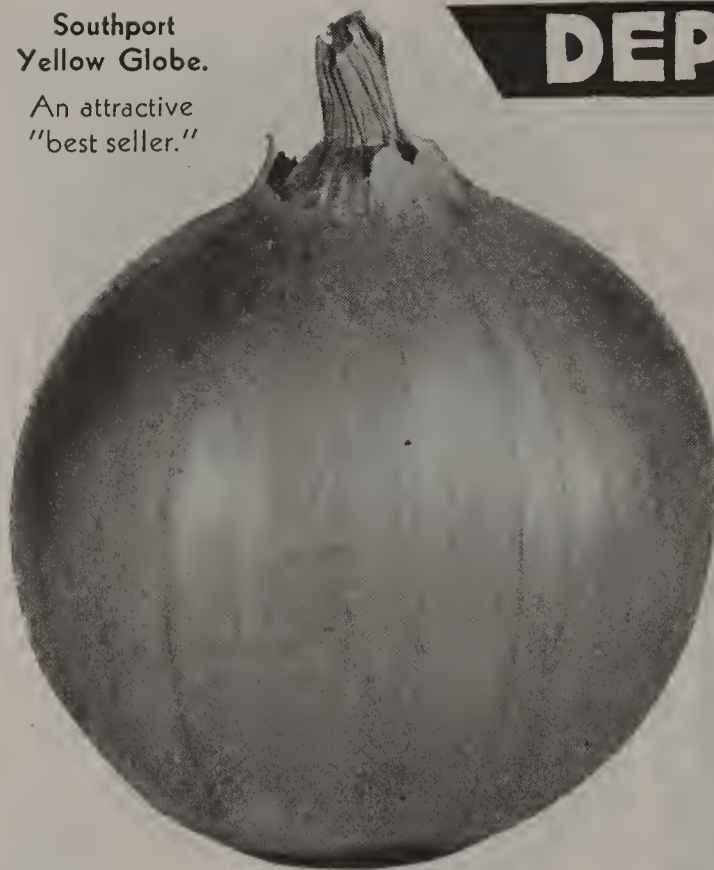
The young seed pods of this plant are used for the well known and delicious gumbo soups. Plant in spring as soon as danger of frost is past. Cultivate the same as corn.

**215. WHITE VELVET**—Height 3 ½ feet; long white pods. Pkt. 5c, oz. 15c, ¼ lb. 30c, 1 lb. 75c, prepaid.

**217. DWARF GREEN**—Grows low, is very productive. Pkt. 5c, oz. 15c, ¼ lb. 30c, 1 lb. 75c, prepaid.

Southport  
Yellow Globe.

An attractive  
"best seller."



## Long-keeping Yellow Globe Onions

**397. MINNESOTA SOUTHPORT YELLOW GLOBE**—(Late.) A very handsome golden yellow globe of good size and mild flavor, which is very popular on the market. It is a good cropper, medium late, hardy, and possesses excellent storage qualities. Bulbs: medium large, round, yellow, firm and solid. Flesh: white with slight yellow tone. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.85, 2 lbs. \$3.50, prepaid.

**399. MOUNTAIN DANVERS**—(Early.) This strain is commanding a lot of attention as it is the earliest yellow globe variety and was developed in the mile-high regions of Colorado. It remains firm and usable much longer than any other variety—its color is a fine golden yellow—flavor is mild, and its earliness and long-keeping qualities make Mountain Danvers most suitable for marketing and a profitable variety to grow. Bulbs: three-quarter globe shape, slightly flattened at the base, dark yellow, very hard and thick skinned. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75, 2 lbs. \$3.30, prepaid.

**407. YELLOW GLOBE DANVERS**—(Medium Early.) A popular, hardy strain of Yellow Globe. It is fairly early and a good cropper. Used extensively for storage. Bulbs: medium large, round, yellow, firm and solid. Flesh: fine grained, creamy white, crisp, mild and of excellent flavor. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.85, 2 lbs. \$3.50, prepaid.

## Strong-flavored Red Onions

**395. SOUTHPORT RED GLOBE**—(Late.) The finest red onion. We offer our special strain of Red Globe produced by years of careful breeding. The perfect globe type is thoroughly established in this variety, resulting in bulbs of the most uniform shape and attractive appearance. They are highly productive and fine keepers. Bulbs: perfectly round, of good size, with small neck and thick, deep purplish red skin. Flesh: white, tinged with pink, of strong flavor. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75, 2 lbs. \$3.30, prepaid.

**403. LARGE RED WETHERSFIELD**—(Late.) One of the most extensively grown large red onions. A heavy yielder and a splendid keeper. Used extensively for sets and for storage. Bulbs: medium large, flat on the bottom with sloping top; purplish red. Flesh: fine grained, firm, slightly flushed with pink. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75, 2 lbs. \$3.30, prepaid.

# DEPENDABLE ONION SEED

One ounce will sow 100 feet of drill; 5 pounds per acre.

**CULTURE**—The soil should be very carefully prepared for onions. The richer the soil, the better the crop will be. Plenty of fertilizer and wood ashes, well spaded in, are essential. Sow the seed as early as the ground can be worked, in rows 15 to 18 inches apart, covering ½ inch deep. When the seedlings are 3 or 4 inches tall, they should be thinned out to stand 3 inches apart in the row. Keep them free from weeds and hoe often.

Pull the onions when the tops die down, dry them off, and store for winter use in a cool, dry place.

The Globe onions are the best keepers, and the best winter onions. White onions are of milder flavor than the red and yellow, therefore, most desirable for the table. Prizetaker, Silver King, and Sweet Spanish are the mildest of all. Prizetaker, Mountain Danvers and Yellow Globe onions, being very mild and also excellent keepers, are the best to grow for the home garden. Barletta and Silver-skin are grown largely for pickles, and White Welsh for "green" onions.

## Early White Onions for Bunching or Pickling

**409. EXTRA EARLY BARLETTA**—An exceptionally early sort, very popular for pickling and green bunching. Bulbs: small, flat, pure white, of mild sweet flavor. Pkt. 5c, oz. 12c, ¼ lb. 45c, lb. \$1.65, prepaid.

**410. EARLY WHITE WELSH**—A hardy perennial, used exclusively for green bunching onions. This variety does not produce bulbs, but provides a good crop of the finest green onions for the market early in spring, in advance of those from sets. They may be left in the ground for years. Seed may be sown in August and September for extra early crop in spring. Pkt. 5c, oz. 12c, ¼ lb. 45c, lb. \$1.65, prepaid.

**411. WHITE PORTUGAL OR SILVER-SKIN**—(Medium Early.) The most widely used white onion. It might be called an all-purpose variety, as it is excellent for sets, as a pickler, for green bunching and for storage. Bulbs: medium size, thick-flat, clear white, hard, fine grained and of pleasing flavor. It is a dependable cropper. Pkt. 5c, oz. 12c, ¼ lb. 45c, lb. \$1.65, prepaid.

**415. EARLY WHITE BUNCHING ONION**—(Annual.) Here's an exceptionally early green bunching onion. An annual which forms small bulbs for green table onions—of real quality and mild flavor. Used by leading gardeners for reaching the early market. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.70, prepaid.



Giant Chinese "One-A-Meal."

## GIANT CHINESE GREEN ONION

**400. "ONE-A-MEAL"**—A remarkable green onion of splendid quality. (A perennial.) The striking and attractive white stems grow to the enormous size of 25 to 30 inches in length with 2½-inch diameter, weighing over 3 pounds, on a single stalk. The white part grows very long and straight without the knob. They have a very mild flavor and attain a good marketable size very quickly and need no bunching. Sell at top price for early market. They grow where any green onion can be grown. Pkt. 10c, oz. 60c, ¼ lb. \$2.30, prepaid.

Packet  
ppd. for 10c

## HOW TO GROW Finer Vegetables, Bigger & Better Flowers

By simply placing your garden seeds (any quantity up to 1 lb. at a time) in a mason jar together with ¼ to ½ teaspoon of SEMESAN, and shaking for three minutes any time before planting, you can grow the biggest crop of fine quality vegetables or large colorful flowers that you ever saw! SEMESAN is the famous seed treatment which prevents "damping off" and seed decay, controls all seed-borne plant diseases and assures you of getting a much better stand. It's economical, too, for 1 ounce will treat 15 pounds of any vegetable or flower seeds. Complete descriptive circular free—ask for it. Price: 2-oz. can 35c, prepaid.—Not prepaid, 1 lb. \$2.25, 5 lbs. \$9.90.



Yellow Globe  
Danvers—  
a good  
keeper.

# ONION --- Seed, Sets, Plants

**SWEET SPANISH**  
sweetest - flavored  
slicing sort

## Large, Mild Onions for Slicing

**398. MINNESOTA SOUTHPORT WHITE GLOBE**—(Late.) This is the finest of all white sorts. Its unusually handsome appearance brings a premium on all markets. It keeps well in fall storage. To get fine white onions, great care should be exercised in harvesting the crop. Pull as soon as they are ripe enough to harvest and dry in an airy, shady place. Bulbs: round, medium sized, solid, pure white, very attractive, skin thin and delicate. Flesh: waxy white, fine grained and mild. Pkt. 5c, oz. 15c, ¼ lb. 60c, lb. \$2.00, 2 lbs. \$3.90, prepaid.

**405. WHITE BERMUDA OR CRYSTAL WAX**—An excellent onion for home garden. Beautiful in appearance, both skin and flesh being a clear delicate white. Bulbs: very flat, medium sized, clear white; of mild delicate flavor. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. \$1.85, 2 lbs. \$3.50, prepaid.

**406. PRIZETAKER**—This onion is outstanding because of its great size and splendid quality. It is similar in type to the large Spanish onions. Our special strain is exceptionally productive. It is a very popular shipping sort. Bulbs: large, globe shape; skin thin and glossy, of straw color; flavor mild. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.85, 2 lbs. \$3.50, prepaid.

**412. SWEET SPANISH OR VALENCIA**—Here's a most attractive onion that deserves a place in every garden. It is about the mildest onion in cultivation, a product of old Spain, now acclimated to our growing conditions. In appearance it greatly resembles the Prizetaker, with a skin of bright golden straw color. However it is even larger than Prizetaker, and for table slicing it rivals the Bermuda—it may be eaten like an apple. Very prolific and desirable for shipping and fall storage—a money maker for market gardeners. Bulb: very large, globular with golden yellow skin; flesh white, very mild and of pleasing flavor. Pkt. 5c, oz. 15c, ¼ lb. 60c, lb. \$2.00, 2 lbs. \$3.80, prepaid.

**408. MAMMOTH SILVER KING**—(Early.) A large imported variety valuable for early market and of excellent table quality. Bulbs: deep and flat, pure white and exceptionally mild. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75, 2 lbs. \$3.30, prepaid.



**414. MIXED ONION SEED**—This mixture contains seed of all varieties, Globe, Wethersfield, early and late, and "green" onions. It is fine for the small garden, as it will furnish a supply of onions all summer and for winter storage. Also recommended for growing sets. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.25, prepaid.

## Grow "green onions" from our Onion Sets for your earliest garden crop

32 lbs. equal 1 bushel. One lb. of sets will plant 25 feet of row or 12 bu. will plant an acre.

Onion sets are planted for onions for early spring use. A pound or two is sufficient for the average family garden. They produce green or bunch onions in half the time it takes to raise these from seed, and can be planted before it is safe to plant anything else.

For larger quantities than 1 lb., add postage.

**YELLOW BOTTOM SETS**—The onions commonly planted in the home garden for early green onions, also for later use. Price: Lb. 20c, ppd.—Not ppd., 4 lbs. 30c, pk. 50c, bu. \$1.75.

**RED BOTTOM SETS**—Produce onions of excellent keeping quality and strong flavor. Price: Lb. 20c, prepaid.—Not prepaid, 4 lbs. 30c, pk. 50c, bu. \$1.75.

**WHITE BOTTOM SETS**—Price: Lb. 22c, prepaid.—Not prepaid, 4 lbs. 40c, pk. 65c, bu. \$2.00.



F. S. & N. Co's White Bottom Sets.

**EGYPTIAN PERENNIAL SETS**—A hardy variety that may be planted either in spring or fall. They require no attention, spread rapidly, and make the first green onions for the table in spring. Price: Lb. 20c, prepaid.—Not prepaid, 4 lbs. 40c, pk. (7 lbs.) 65c, bu. (28 lbs.) \$2.25.

**YELLOW MULTIPLIERS**—Price: Lb. 22c, prepaid.—Not prepaid, 4 lbs. 50c, pk. 80c, bu. \$2.50.

**JAPANESE OR EBENEZER ONION SETS**—In shape and color, this variety resembles Yellow Globe Danvers, but it generally produces 50% more onions per acre. Its great superiority over other onions is the big yields, long-keeping quality, and freedom from going to seed. Japanese sets produce marketable onions in June and July, long before any others are ready. Price: Lb. 20c, prepaid.—Not prepaid, 4 lbs. 30c, pk. 50c, bu. \$1.75.

## Garlic Bulbs

Produce fine, solid, white bulbs in clusters. Used for flavoring sausages, soups, salads. Easily grown. Choice bulbs for planting. ½ lb. 25c, lb. 40c, prepaid.—Not prepaid, 5 lbs. \$1.50.



## Jubilee Menu Suggestion Serve Flamingo Relish! with Baked Beans or Meats

15 large white onions      2 cups sugar  
24 large mild red peppers    3 tablespoons salt  
1 quart cider vinegar

Remove skins from onions and seeds from peppers and put through food chopper. Cover with boiling water and let stand for five minutes.

Drain well. Add the vinegar, sugar and salt and boil together for twenty minutes. Bottle and serve same as catsup.

## Bermuda Onion Plants for early creaming or slicing

Grow your own first young table onions from Bermuda Onion plants. The plants are grown in Texas from the finest strains of Onion Seed. They are grown outdoors during the winter, and are subjected to cold, ice and snow. They will produce onions two weeks ahead of those raised from seed, and are just about as cheap.

They are perfectly hardy, easy to grow and produce the finest mild-flavored young onions in the shortest possible time. We ship them in bundles of 75 to 100 plants, all ready to set out, guaranteed to reach you in proper growing condition. Use them as green onions, or let them develop to creaming size. If allowed to continue growing they will develop good-sized bulbs. Orders will be shipped at proper time for setting out. Set out 100,000 plants per acre.

We can usually supply the following varieties: Yellow Bermuda, Crystal Wax, Prizetaker and Valencia, but in case of shortage we reserve the right to send the varieties available when order reaches us. We prepay to 3rd zone only (300 miles). Beyond that at customers' risk.

Price: 2 bundles 30c, 5 bundles 60c, 10 bundles \$1.00, prepaid to third zone—Not prepaid, case of 60 bundles \$3.25. (Weight 35 lbs.) (Bundles contain 75 to 100 plants.)

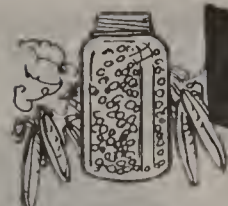
ORDER BERMUDA PLANTS BEFORE MAY 1ST



150 to 200 Plants for  
30c postpaid



Laxton's Progress.



# Northern Grown PEAS



YOUNG GARDEN-FRESH PEAS ARE LUSCIOUS, SWEET AND TENDER

One pound will plant 100 feet of drill.

**CULTURE**—Garden Peas do best in light, rich soil, and are quite hardy, requiring fairly cool weather. The extra early varieties can be sown just as soon as the ground can be worked, early in April here. Sow in rows 24 to 26 inches apart, covering the seed about 2 inches deep. The tall varieties should be supported with brush, or twine and light stakes.

## Extra Early Peas

**448. EXTRA EARLY EIGHT WEEKS**—(56 days.) (Semi-wrinkled.) This is the earliest sort in common use. A splendid variety to produce the first home garden peas on the family dinner table. Vines: 13 inches high, very dwarf, slender. Pods: 3 inches long, dark green, contain 7 to 9 peas of exceptional quality when picked young. Seeds: small, grey green, dimpled. Pkt. 8c,  $\frac{1}{2}$  lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.20, prepaid.—Not prepaid, 15 lbs. at 18c per lb.

**447. EARLY ALASKA**—(55 days.) (Smooth seeded.) The first early variety for market gardeners. Also very extensively used for canning. Crop matures evenly. Our strain is noted for its pod size and productivity. Vines: 30 inches long. Pods: light green, round, contain 6 to 8 peas of good quality. Seeds: small, round, smooth, bluish green. Pkt. 5c,  $\frac{1}{2}$  lb. 15c, lb. 25c, 2 lbs. 45c, 5 lbs. \$1.00, prepaid.—Not prepaid, 15 lbs. at 16c per lb.

## Early Wrinkled Peas

**471. LITTLE MARVEL**—(60 days.) Outstanding among the older varieties of dwarf peas, Little Marvel continues to be extensively used on account of its exceptional quality and yield. Valuable for home garden and early shipping. Vines: 18 inches high. Pods: 3 inches long, plump, well filled with 7 to 8 tender peas. Seeds: light green, squarish, wrinkled. Pkt. 8c,  $\frac{1}{2}$  lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.20, prepaid.—Not prepaid, 15 lbs. at 18c per lb.

**472. AMERICAN WONDER**—(58 days.) Our stock of this old popular pea is the true extra-dwarf, early strain. Well suited to home gardening and highly productive. Vines: 12 to 14 inches high, dark green. Pods:  $2\frac{3}{4}$  inches long and filled with 6 peas. Seeds: wrinkled, square, green. Pkt. 8c,  $\frac{1}{2}$  lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 15 lbs. at 17c per lb.

**460. THOMAS LAXTON**—(58 days.) A popular early variety highly prized by shippers and canners. Quality and yield are excellent. Vines: 33 inches high, medium green and heavy. Pods:  $3\frac{3}{4}$  inches long, plump, broad; contain 7 to 8 large tender peas of good quality. Seeds: cream and green, wrinkled. Pkt. 8c,  $\frac{1}{2}$  lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 15 lbs. at 17c per lb.

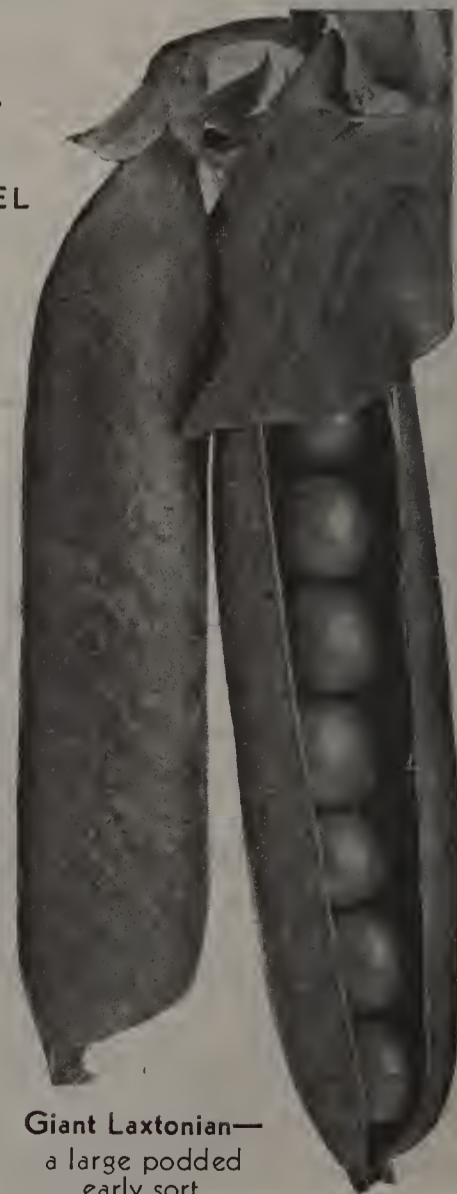
**461. LAXTON'S PROGRESS**—(60 days.) The largest podded and most attractive of the Laxtonian family. A good sort for shipping to distant markets, also for home and market garden planting. Of fine quality and abundant yield. Vines: 17 inches high, medium dark green. Pods:  $4\frac{3}{4}$  inches long, dark green, handsome; contain 7 to 9 large peas of good quality. Seeds: large, wrinkled, cream with green color. Pkt. 8c,  $\frac{1}{2}$  lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 15 lbs. at 17c per lb.

**470. GIANT LAXTONIAN**—(60 days.) Here is the best known of the early, dwarf, large podded sorts. Used largely for home gardens and by truckers and shippers. Our featured strain has exceptionally large pods. Vines: 18 inches high, dark green; "top off" well at maturity. Pods:  $4\frac{1}{2}$  inches long, broad, dark green, contain 7 to 8 large succulent peas. Seeds: yellow and green, wrinkled. Pkt. 8c,  $\frac{1}{2}$  lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.20, prepaid.—Not prepaid, 15 lbs. at 18c per lb.



## LITTLE MARVEL

The Finest low-growing early pea of delicious flavor and an extra heavy bearer.



Giant Laxtonian—  
a large podded early sort.

**473. NOTT'S EXCELSIOR**—(59 days.) Similar to American Wonder but with taller vine and slightly larger pod. Vines: 16 inches high. Pods: 3 inches long, round, plump, light green, well filled with 6 to 7 medium size, tender peas. Seeds: wrinkled, square, light green. Pkt. 8c,  $\frac{1}{2}$  lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 15 lbs. at 17c per lb.

**474. PREMIUM GEM**—(63 days.) A highly productive, medium early variety good for home gardening and for canning. Vines: 20 inches high, dark green. Pods:  $2\frac{3}{4}$  inches long, light green, contain 6 to 7 peas. Seeds: wrinkled, green. Pkt. 5c,  $\frac{1}{2}$  lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 15 lbs. at 17c per lb.

## No. 510 Garden Peas Collection

**FRESH PEAS ALL SUMMER**—We have selected varieties which will mature in succession, and furnish a continuous supply of delicious peas. We know they will more than please you.

**EXTRA EARLY EIGHT WEEKS**—Best extra early pea (56 days).

**LITTLE MARVEL**—Medium early. Very delicious (60 days).

**POTLATCH**—Late. Never disappoints (78 days).

1 Mammoth Pkt. of each	17c	$\frac{1}{2}$ Lb. of each	45c	1 Lb. of each	75c
All prepaid.					

## Jubilee Menu Suggestion

Serve SHEPHERD'S PIE ...  
made with PEAS!

1 cup diced cooked meat (left-over beef, lamb or veal may be used)  
1 cup diced cooked carrots  
1 cup cooked peas  
1 tablespoon minced onion  
1 tablespoon melted butter  
1 cup gravy  
Season to taste  
Combine in order given and put in buttered baking dish.  
Fold a beaten egg and 2 tablespoons cream into 2 cups freshly cooked and mashed potatoes and beat together lightly. Transfer to baking dish, covering the vegetable mixture. Brown in a moderately hot oven for 20 minutes. Serve at once.

# Peas, Parsnip, Parsley

## Finest Mid-season Pea Varieties

**480. POTLATCH OR BIG DINNER—**(78 days.) One of the very finest late varieties for home garden and for shipping to distant markets. Potlatch is famous for its heavy yield of immense pods bearing many large luscious peas of delicious flavor. Vines: 26 inches high, deep green. Pods: 4½ inches long, ¾ inch wide; contain 8 to 10 tender, succulent peas. Seeds: large, wrinkled, green. Pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 60c, 5 lbs. \$1.10, prepaid.—Not prepaid, 15 lbs. at 17c per lb.

**475. TENDER GIANT—**(See illustration inside front cover.) (73 days.) A medium late, large podded variety maturing after the early dwarf varieties and before the other large podded main crop sorts. Its sweetness and quality cannot be improved upon. A nation-wide favorite as a canning pea. Vines: 27 inches high. Pods: 4 inches long, contain 6 to 8 large tender peas. Seeds: large, green, wrinkled. Pkt. 8c, ½ lb. 22c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.20, prepaid.—Not prepaid, 15 lbs. at 18c per lb.

**500. IMPROVED SENATOR—**(71 days.) A drought and wilt resistant pea that thrives under adverse conditions of soil and weather when many other sorts fail. Stands hot, dry weather. Very productive, medium late, splendid for the home or market garden and canning. The strong, sturdy vines grow 30 to 36 inches high and produce an abundance of large pods, four inches long, which are well filled with 6 to 8 large peas of delicious flavor. Pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.25, prepaid.—Not prepaid, 15 lbs. at 19c per lb.

## Tall Main Crop Peas

**505. TALL TELEPHONE—**(73 days.) A standard mid-season variety. Produces an abundant yield of immense pods filled with large tender peas of excellent flavor and quality. Vines: 45 inches high, dark green. Pods: 5 inches long, plump. Seeds: large, wrinkled, light green. Pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 15 lbs. at 17c per lb.

**506. CHAMPION OF ENGLAND—**(79 days.) A well known late variety. A great climber and heavy yielder. Vines: 54 to 60 inches high. Pods: 3 inches long, plump; contain 7 to 8 peas of good quality. Seeds: large, wrinkled, light green. Pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 15 lbs. at 17c per lb.

**501. QUITE CONTENT—**(74 days.) We receive more enthusiastic reports on Quite Content than on all other tall peas. It has immense pods, filled with extra large, quality peas. Vines: 45 inches high. Pods: 4¾ inches long; contain 8 to 9 large, tender peas. Seeds: wrinkled, large, green. (See inside back cover.) Pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.20, prepaid.—Not prepaid, 15 lbs. at 18c per lb.

Feb. 27, 1937

F. S. & N. Co.

You would not be getting a new customer with this free sample of hybrid corn for we have used your seeds since we started farming, and intend to use them again this year. You do not need a radio station or give big contests to sell your seeds. Use them one year and they speak for themselves.

D. Warrender,  
Cherokee, Iowa.

**492. DWARF SUGAR—**(68 days.) (Eat pod and all!) A prolific home garden variety with an edible pod and also resistant to Fusarium wilt. Delicious if cooked when young the same as string beans—without shelling. Very sweet and tender. Vines 28 inches high, slender and wiry, with purple blossoms. Pods: 3 inches long, heavily curved, strongly indented between the peas. Seed: small, mottled, grey, round, smooth. Pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 15 lbs. at 17c per lb.

**484. EVERBEARING—**(74 days.) An extra long bearing period makes this a popular variety. Everbearing is resistant to Fusarium wilt, and is noted for its quality. Vines: 32 inches high. Pods: 4 inches long, plump; contain 4 to 5 large peas of sweet marrowy flavor. Seeds: very large, light green, flat, wrinkled. Pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 15 lbs. at 17c per lb.

**486. DWARF TELEPHONE OR DAISY—**(75 days.) A late, large-podded, highly-productive sort for home garden and truckers. A good shipper and resistant to Fusarium wilt. Our strain is unsurpassed in size and appearance of pods. Vines: 22 inches high. Pods: 4½ inches long, broad, pointed and attractive; contain 8 to 10 peas of excellent quality. Seeds: large, wrinkled, bluish-green. Pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 15 lbs. at 17c per lb.

**459. GRADUS OR PROSPERITY—**(65 days.) A popular medium-early, large podded variety for home gardens and market gardeners. Vines: 36 inches high. Pods: 4 inches long, plump, contain 8 to 10 large, sweet, delicious peas. Seed: large wrinkled, cream and green. Pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.10, prepaid.—Not prepaid, 15 lbs. at 17c per lb.



Potlatch—bears immense luscious peas.

## PARSNIP

One ounce for 200 feet of drill. Five to six pounds for an acre.

A valuable root vegetable of rich sweet flavor and high food value. Frost improves the flavor, and parsnips can be left in the ground all winter, to be harvested in spring when fresh vegetables are scarce. Seed germinates slowly. Sow early in drills.

**426. HOLLOW CROWN OR GUERNSEY—**A great cropper; tender, sugary and considered the best for general cultivation. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 70c, prepaid.

**427. IDEAL—**Roots not as long as Hollow Crown, but are thicker and more easily gathered. They are very smooth and have fine grained flesh of excellent quality. Pkt. 5c, oz. 8c, ¼ lb. 20c, lb. 70c, prepaid.

## PARSLEY

One ounce will sow 150 feet of drill.

**CULTURE—**Parsley is indispensable for flavoring and for garnishing. The seed germinates slowly, in 2 or 3 weeks and therefore should be soaked in warm water for a few hours before planting. Sow early in spring, ½ inch deep. In the fall, a few plants may be set into pots, and taken indoors.

**430. MOSS CURLED—**A compact growing, finely cut and densely curled variety of a deep green color. Owing to its fine color and handsome foliage, it is most popular. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, prepaid.

**431. HAMBURG or THICK ROOT-ED—**The root is the edible portion of this variety and resembles a small parsnip, both in color and shape. Flesh white, a little dry, having a flavor similar to celeriac. Very hardy. Is cultivated like parsnip. Foliage same as Plain Parsley. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, prepaid.



Hollow Crown.

## Pepper Grass or Cress

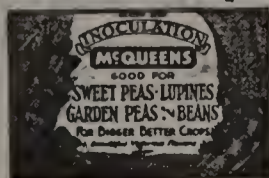
**295. FINE CURLED—**Crisp, pungent leaves, finely cut and curled, dwarf and compact. Used mostly for garnishing and as a condiment. Pkt. 5c, oz. 10c, ¼ lb. 25c, prepaid.

## GARDEN SIZE Packet Inoculator

Inoculates up to 4 lbs. of Seed

Only 10c

Insures Bigger and Better Quality Peas Beans, Lima Beans, Sweet Peas, Lupines



# New Giant Peppers

## ★ California Wonder

*The finest Sweet Pepper  
for stuffing and baking whole*

**436.** (73 days.) Bright crimson, blocky fruits, measuring five inches long and four inches wide—excellent for serving whole. Crisp and juicy, without a trace of pungency, the flesh is often  $\frac{3}{8}$  of an inch thick. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 45c,  $\frac{1}{4}$  lb. \$1.50, prepaid.

**432. KING OF THE NORTH**—The newest and best early large pepper especially valuable in northern states. Fruits are enormous in size and color up a brilliant red much earlier than any other large sort. They average 6 inches long, 4 inches across. The flesh is thick, firm, very sweet and mild. Plants are literally covered with large peppers. Often one plant will have 8 to 10 mature fruits. Pkt. 10c,  $\frac{1}{2}$  oz. 30c, oz. 50c,  $\frac{1}{4}$  lb. \$1.75, prepaid.

**434. HARRIS EARLY GIANT**—(63 days.) An excellent first early sweet variety, for home and market garden use. Fruits resemble Bull Nose in form. Plants: dwarf, upright, very productive. Fruits: 4  $\frac{1}{2}$  inches long, 3  $\frac{1}{2}$  inches thick; gently tapered, 3-lobed, of sweet mild flavor; deep green changing to bright red. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25, prepaid.

NOTE.—The time from setting out plants to marketable condition is indicated here.

**433. HUNGARIAN YELLOW WAX (HOT)**—(65 days.) Also called Banana and Bulgarian Yellow. An extremely hot, long, slender pepper of a bright waxy yellow color. The fruits are pointed and from 5  $\frac{1}{2}$  to 7 inches long. The plants produce abundantly. A special favorite with many people because of its pungency. A profitable market sort. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 40c,  $\frac{1}{4}$  lb. \$1.35, prepaid.

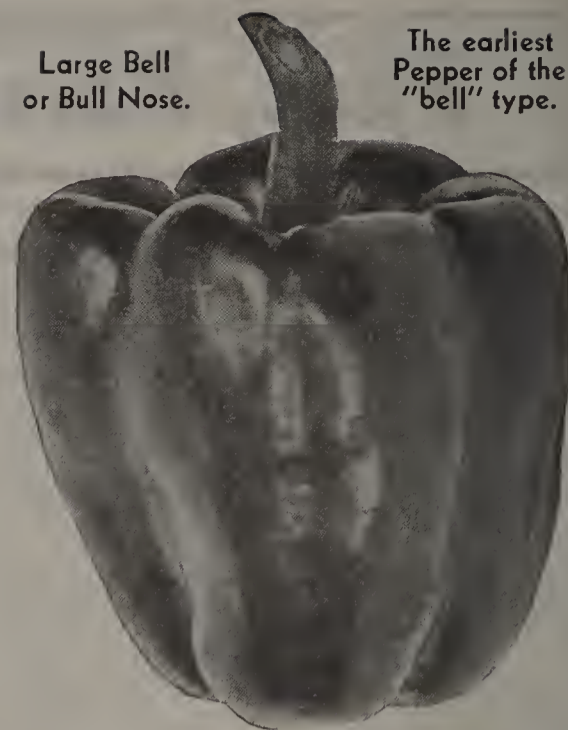
**437. LARGE BELL or BULL NOSE**—(58 days.) A popular early sweet variety. The first on the early market. Plants: small, erect, prolific. Fruits: 3 inches long, 2  $\frac{3}{4}$  inches thick; blunt, deep green—changing to scarlet red; sweet, mild in flavor. Pkt. 5c,  $\frac{1}{2}$  oz. 20c, oz. 30c,  $\frac{1}{4}$  lb. \$1.10, prepaid.

**441. PIMIENTO or PERFECTION**—(73 days.) Pre-eminently a canning variety; also excellent for home or market garden planting. Plants: large, erect, prolific. Fruits: 3  $\frac{1}{2}$  inches long, 2  $\frac{1}{2}$  inches thick; heart shaped, very smooth; color dark green, changing to bright crimson; flesh thick, sweet and mild. Pkt. 5c,  $\frac{1}{2}$  oz. 20c, oz. 30c,  $\frac{1}{4}$  lb. \$1.10, prepaid.

**442. RUBY KING**—(68 days.) Excellent for home and market gardening, also for shipping. Plants: medium dwarf, erect, vigorous, and very productive. Fruits: 5 inches long, 3 inches thick; tapering, dark green changing to ruby red at maturity. Flesh: thick, mild and sweet. Pkt. 5c,  $\frac{1}{2}$  oz. 20c, oz. 30c,  $\frac{1}{4}$  lb. \$1.10, prepaid.

Large Bell  
or Bull Nose.

The earliest  
Pepper of the  
"bell" type.



One ounce of seed for 1,000 plants.  
 $\frac{1}{4}$  lb. to transplant one acre.

## How to Grow Big Peppers

Sow seed in flats, or in the hotbed in March, and transplant seedlings, when 3 or 4 inches high to other flats or to paper pots. About the last of May, transplant to the garden, in rich, well-prepared soil, setting the plants in rows 3 feet apart, 20 inches apart in rows.

## Jubilee Menu Suggestion . . .

Serve  
Delicious  
**PUMPKIN  
PIE**

1  $\frac{1}{4}$  cups cooked pumpkin  $\frac{1}{2}$  tsp. salt  
 $\frac{1}{2}$  cup granulated sugar 1 tsp. cinnamon  
 $\frac{1}{2}$  cup brown sugar  $\frac{1}{4}$  tsp. ginger  
2 eggs beaten light  $\frac{1}{4}$  tsp. nutmeg  
1 tblsp. cornstarch (level) 1  $\frac{1}{4}$  cups rich milk

Pour into an unbaked crust, and bake at 425 degrees for 20 minutes, then reset temperature to 325 degrees and bake 20 minutes longer. Serve with whipped cream.



Sugar  
Pie.

Sweet  
and  
Delicious.

**565. SUGAR PIE**—(75 days.) Most desirable for pies. Very fine grained, sweet and a splendid winter keeper. Fruits: 10 inches thick, weight 6 to 8 lbs.; skin hard, smooth, somewhat ribbed, deep orange. Flesh: thick, sweet, orange-yellow, and of high quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c, prepaid.—Not prepaid, 5 lbs. \$2.25.

## Pumpkins

1 oz. for 25 hills, 4 lbs. per acre.  
Plant like squash, 3 or 4 seeds per hill and thin to 1 plant per hill.

**572. CONNECTICUT FIELD**—(Matures in 110 days.) Extensively grown for making pies, for canning and for stock feed; usually planted in cornfields. Also known as Large Cheese. Fruits: 12 to 15 inches thick, weight 15 to 25 lbs., large, flattened at the ends. Surface hard, smooth, somewhat ribbed, deep orange in color; flesh thick, orange-yellow, coarse and sweet. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, lb. 50c, prepaid.—Not prepaid, 5 lbs. \$2.00, 10 lbs. \$3.75.

**573. KENTUCKY FIELD**—(Matures in 110 days.) Widely used for canning and for stock feeding. Hardy and productive. Fruits: 12 to 14 inches thick, weight 10 to 15 lbs., large, slightly ribbed, not fixed in shape, some being flat, others globular and elongated; color, dull orange. Flesh: deep yellow, coarse and of good flavor. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, lb. 50c, prepaid.—Not prepaid, 5 lbs. \$2.00.

**574. MAMMOTH KING or JUMBO**—(Matures in 120 days.) The largest of all pumpkins. Valuable for stock feeding and exhibition purposes. Fruits: 20 to 24 inches in diameter, weight 60 to 90 lbs., very large, globular, slightly ribbed, flattened; skin light yellow, mottled with yellow and frequently slightly netted. Flesh: solid, coarse, but of fair quality. Pkt. 8c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.35, prepaid.

**576. PRIZE COLLECTION MIXTURE**—A mixture of the best varieties described above, all shapes and sizes, large and small. Just the thing for growing varieties to exhibit at county or state fairs. There is bound to be a prize winner. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, lb. 50c, prepaid.—Not prepaid, 5 lbs. \$1.80.

## Peanuts



As  
Easy  
to  
Grow  
as  
Potatoes

Ask for  
Free  
Leaflet

Large Virginic Peanuts.

**514. EARLY SPANISH**—The earliest variety, and best for the North. Plants are upright and compact, with small pods and nuts of fine flavor. Large pkt. 8c,  $\frac{1}{2}$  lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.10.

**515. LARGE VIRGINIA**—The main crop peanut, and the most extensively grown. Plants are erect, and of vigorous, rapid growth, with very large pods and nuts. Fine for dry, sandy soil. Large pkt. 8c,  $\frac{1}{2}$  lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. for \$1.10.

## Rhubarb - Pie Plant

**581. VICTORIA**—Larger than the average, a good seller in all markets; of excellent quality. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00, prepaid.

See Page 29 for Rhubarb Roots

# MINNESOTA GROWN SEED POTATOES

## NEW GOLDEN

*Golden Fleshed Late Potato*

(See Illustration Page 81)

Here is the biggest yielder of all new introductions, a golden fleshed variety—also introduced by the Department of Agriculture, from South American stock. This potato contains vitamin A and is of very highest cooking quality. Tubers are dark cream buff color—smooth with medium shallow eyes. Medium size roundish—flesh pale yellow. In yield tests the New Golden topped them all, producing as high as 535 bushels per acre. Price: 10 lbs. 65c, prepaid to 3rd zone. See Blue Figure Price List.

## NEW KATAHDIN

*High Yielding Late Potato*

Originated by the U. S. Dept. of Agriculture, and bred for quality, yield and disease resistance. To date this potato has been entirely free from mild mosaic. Well adapted to growing on muck and peat soils, though not so well to poor soils, where summer drought occurs. The tubers are short, elliptical to roundish, with very shallow eyes; flesh crisp and white.

Price: 10 lbs., 65c, prepaid to 3rd zone. See Blue Figure Price List for quotations on larger quantities.

## EARLY OHIO

This old favorite is a heavy yielder, of even size, medium to large, oval in shape tubers, very smooth, with shallow eyes. Early Ohios always bring a high market price, and though very early, they keep well. The flesh is white, firm, fine grained, and of excellent flavor. The cooking and baking qualities are unsurpassed. Price: 10 lbs. for 60c prepaid to 3rd zone.

## EARLY IRISH COBBLER

Another extra fine early potato, and one that is not easily affected by blight and insects. The tubers are nearly round, with prominent ridges at ends, causing uneven surface, and slightly flattened, rather blocky shape. The skin is white, well netted, with eyes of medium depth and number. It is a fine flavored potato and a heavy yielder. Price: 10 lbs. for 60c, prepaid to 3rd zone. See Blue Figure Price List.

## RAPID POTATO CUTTER

*Makes Quick Work of Cutting Your Seed Potatoes*



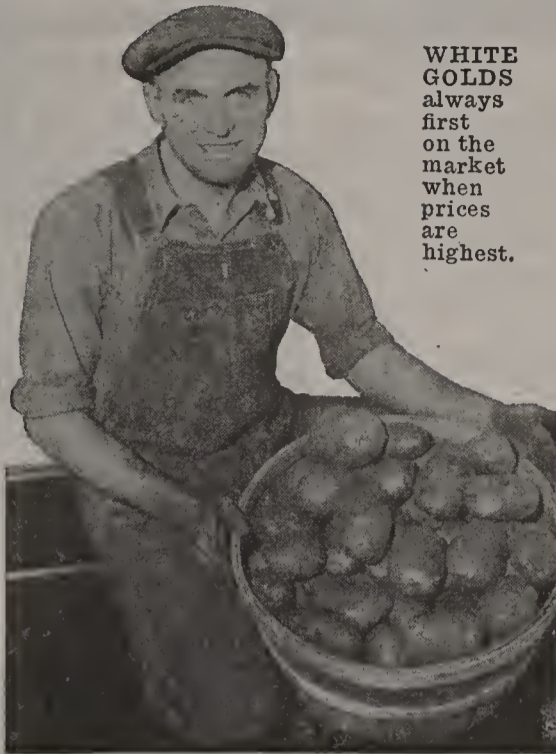
A simple, efficient cutter with which anyone can cut a bushel of potatoes in five minutes. The size of the seed piece is always under control of the operator, enabling him to cut the potato into 2, 4, 6 or 8 pieces. The Rapid Cutter has four cross knives which are adjustable to suit the cutting of any variety of potatoes. Guaranteed to satisfy or money back. Price—mallet included, \$1.75, prepaid.

## Treat your Seed Potatoes with Semesan Bel

**CIRCULAR FREE**

The instantaneous dip disinfectant for controlling such seed-borne diseases as scab, rhizoctonia and black leg. Improves germination and usually produces a bigger crop of better quality. One pound treats 70 to 80 bushels of seed. Prices: 4 ozs. 50c prepaid, 1 lb. \$1.60, 5 lbs. \$6.75, 25 lbs. \$31.00, not prepaid. Pamphlet free.

**FREE — ILLUSTRATED CIRCULAR DESCRIBING FIVE NEWEST POTATO VARIETIES DEVELOPED BY LEADING PLANT BREEDERS AND THE U. S. DEPARTMENT OF AGRICULTURE. ASK FOR IT.**



**WHITE GOLDS** always first on the market when prices are highest.

## "WHITE GOLD" EXTRA EARLY WHITE POTATO

Ten days to two weeks earlier to market frequently means the difference between a decent profit and a possible loss. White Gold Potato growers in hundreds of letters tell of their wonderful success and fine profits. The chief reason was because White Gold Potatoes were ready two weeks earlier than Cobblers, Triumphs or Early Ohios.

White Gold Potatoes were developed from a potato seedling in Itasca County, Minnesota. For six years the seedlings were carefully selected and increased before the new potato was introduced. It has the size and shape of the Green Mountain, though the eyes are shallow and it is of slightly netted appearance. The yields compare favorably with the late varieties such as Carmans and Rural New Yorkers. The outstanding features, however, are its earliness, good size and big yields. White Golds will keep in storage better than many late varieties. The cooking and baking quality is unsurpassed.

Buy the Originator's Strain to Save Disappointment.

Price: 10 lbs. 75c, postpaid to 3rd zone. See Blue Figure Price List for quotations on larger quantities.

## U. S. DEPT. OF AGRICULTURE'S NEW CHIPPEWA (Certified)

CHIPPEWA is the most recent introduction by the Department of Agriculture. It is considerably earlier than Katahdin or Green Mountain and is especially well adapted for the Northwest. In all tests the yields have been higher than other late varieties like Rural New Yorker, Carman, Katahdin or Green Mountain.

Since this potato matures ahead of most all other late varieties, it promises to become the most popular storage potato and will replace many of the old-timers. The tubers are smooth, regular in outline, with very shallow eyes. It is an excellent cooker and shows a high degree of resistance to mild mosaic.

We predict a great future for this potato and advise our friends to get a start this season.

Price: 10 lbs. 75c, prepaid to 3rd zone. See Blue Figure Price List for quotations on larger quantities.



New Warba—(Early).

## NEW WARBA (Certified)

*Now Replacing the Triumph*

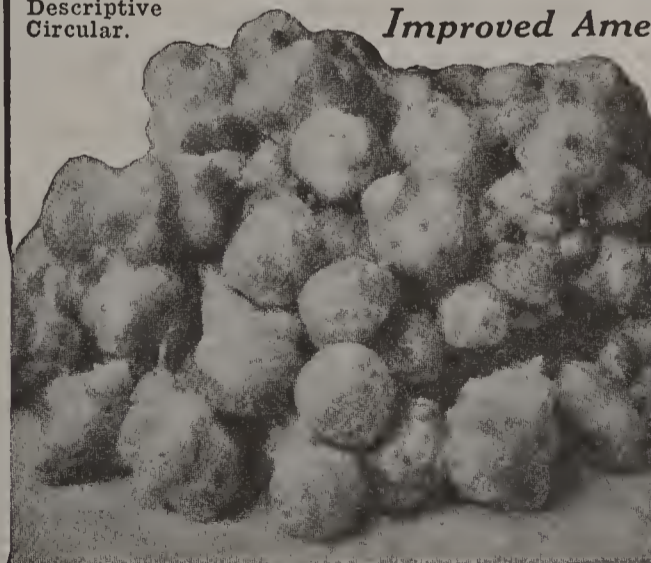
After a 5-year test, the Minnesota Agricultural Experiment Station introduced a valuable new early potato—a cross of a selected seedling and Bliss Triumph. It resembles Bliss Triumph, though is larger in size—a bigger yielder, has white crisp flesh and is exceptionally quick maturing. Its season is 7 to 10 days earlier than Bliss Triumph or Early Ohio. The vines are upright, sturdy and resistant to mild mosaic. Tubers are short, round, blocky, white with pink eyes and uniform in size, with few culls.

Price: 10 lbs., 65c, prepaid to 3rd zone. See Blue Figure Price List for quotations on larger quantities.

## GIRASOL—"The Lazy Man's Spud"

*Improved American Artichoke*

Free Descriptive Circular.



Above tubers were dug from a single hill of "Girasol."

Tubers not available until April 10th as seed stock cannot be dug until after the frost is out of the ground in spring.

Bushel (40 lbs.)—20 to 22 bushels will plant an acre.

**A Valuable Food for Diabetics and Those Not Permitted To Eat Starchy Foods**

The tubers can be eaten cooked, or served raw in salads. They contain carbohydrates in the form of inulin, instead of starch, and need not be cooked to bring out their food value. Recipe booklet mailed free upon request.

**Easy To Grow**

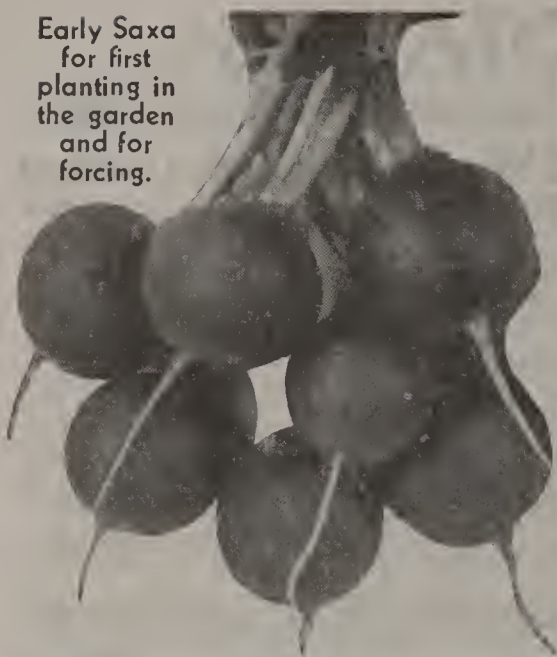
Plant 3 feet apart in rows 4 feet apart. Cut tubers like potatoes.

Girasol will thrive in any soil and responds to liberal feeding, yielding bountifully. The foliage becomes so dense, that after two cultivations, weeds cannot survive. Girasol tubers are relished by livestock and poultry.

The average yield is 10 to 20 tons of tubers per acre, with an equal amount of silage from the tops. If not convenient to dig the crop in the fall, tubers can be left in the ground until the following spring, as they are not injured by freezing.

PRICE: 5 lbs. \$1.00, prepaid to third zone only.—Not prepaid, 1/4 bu. 80c, 1/2 bu. \$1.50, bu. \$2.80.

Early Saxa  
for first  
planting in  
the garden  
and for  
forcing.



## New Varieties You Will Like

### 528. NEW GLOWING BALL RADISH

—An All-America Gold Medal Winner. A round, short top radish, fiery bright scarlet with almost an orange glow. Its unusual color never fails to attract attention on the market. Smooth silky skin, ball shaped, one inch or less in diameter, spicily flavored, very early. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 75c, prepaid.

### 534. NEW "COMET" RADISH—

Another All America Winner. A crisp, tender, snappy radish of bright scarlet color and globe to olive shape. Unusual in that it matures very early, yet attains a large size before becoming pithy. Remains crisp, sound and in prime eating condition a very long time. Ideal for forcing, home gardens or market. Pkt. 8c, oz. 15c, 1/4 lb. 30c, 1 lb. 85c, prepaid.

### 531. FIRECRACKER—(22 days.)

Here is the sensational new radish that hundreds of our customers have been asking for. This year we were fortunate in securing a limited amount of seed from Holland. It is a distinct type of long scarlet Radish of vivid scarlet color and cylindrical shape with slender taproot—fully as early as Saxa or Scarlet Globe and remains in prime condition for a much longer time. (See inside front cover.) Pkt. 8c, oz. 15c, 1/4 lb. 30c, 1 lb. 85c, 2 lbs. \$1.60, prepaid.

### 530. EARLY SAXA—(22 days.)

The earliest radish of all. Principally a forcing sort, but also used for out-of-door planting. Tops very small. Roots: 3/8 inch diameter, small, spherical, bright scarlet in color. Flesh: white, crisp and mild. Earliest for market. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 75c, 2 lbs. \$1.35, prepaid.



French Breakfast is most attractive.

CRISP  
HOME—  
GROWN

Radishes

READY TO EAT  
IN  
3 TO 4 WEEKS

One ounce will sow 100 feet of drill, 9 to 10 pounds per acre.

**CULTURE**—Quick growth is the secret of success. A light, rich soil is required. Sow the seed as early in the spring as the ground can be worked, and every two weeks thereafter throughout the season for succession. Sow round and globe varieties for first crop as they grow faster than the long types and soon turn pithy, so must be harvested promptly. Long types grow more slowly and endure the heat better.

Wormy radishes cannot be controlled by spraying of any sort. By practicing crop rotation, and changing the planting site each year, serious soil infestation is overcome.

Market Growers'  
Price List  
mailed  
upon  
request.



This is  
"Sparkler,"  
a table  
dainty—  
tender  
and crisp.

Bright  
scarlet  
with a  
white tip.

**525. EARLY SCARLET TURNIP—(26 days.)** An early variety with small top, well adapted to field culture and forcing. Excellent quality. Roots: 1 inch diameter, round, slightly flattened with small taproot; dark scarlet-red. Flesh: pinkish white, crisp and tender. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 70c, 2 lbs. \$1.25, prepaid.

### 526. EARLY SCARLET TURNIP

**WHITE TIP—(26 days.)** An attractive sort, extensively used by truckers, and in home gardens. Should be pulled when they are 1 to 1 1/4 inches in diameter. Roots: 1 to 1 1/4 inch diameter, nearly round, with small taproots; carmine-red, with small white tip. Flesh: white, crisp and mild. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 70c, 2 lbs. \$1.25, prepaid.

**529. SPARKLER—(25 days.)** Similar to Scarlet Turnip White Tip, but with larger white area. Popular with market gardeners. Roots: round, smooth, dull scarlet-red, one-third white. Flesh: white, crisp and tender. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 70c, 2 lbs. \$1.25, prepaid.

### 535. IMPROVED EARLY SCARLET

**GLOBE—(24 days.)** Here is the leading variety for market gardeners. Very popular because its excellent quality is combined with very early maturity. Roots: globular, very slightly elongated, with small top; bright scarlet, crisp, tender and of fine quality. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 70c, 2 lbs. \$1.25, prepaid.

**538. FRENCH BREAKFAST—(25 days.)** An early market and home garden sort, with small top. Develops best under glass. It sells readily on the market because of its fine quality and handsome appearance. Roots: 3/4 inch thick, 1 1/2 inches long; oblong, dull scarlet with white tip. Flesh: white and crisp. Should be pulled at first maturity. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 70c, 2 lbs. \$1.25, prepaid.

**540. CRIMSON GIANT—(28 days.)** A deservedly favorite variety for home gardeners and truckers. Very handsome in appearance and quality is unsurpassed, in spite of its immense size. Roots: 1 to 1 1/2 inches in diameter, very large, globular, deep, crimson in color. The white flesh holds its firmness well and is of superior quality. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 70c, 2 lbs. \$1.25, prepaid.

**542. MIXED RADISHES—**This mixture contains early, summer and winter varieties; all kinds, colors and shapes, a large assortment, ready for the table, early, medium and late. You always have some that are just right, sweet, tender and juicy. This mixture is for a small garden, where space is limited and one sowing does for the whole season. Pkt. 5c, oz. 10c, 1/4 lb. 20c, 1 lb. 60c, 2 lbs. \$1.00, prepaid.

## White Varieties

**546. WHITE ICICLE—(27 days.)** Flesh remains crisp and tender until roots attain large size. Roots: 6 inches long, slender, tapering at the tip, very white. Flesh: clear white, brittle and of mild, inviting flavor. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 70c, 2 lbs. \$1.25, prepaid.

### 547. WHITE STRASBURG—(39 days.)

Popular with eastern market gardeners for summer use. Continues in marketable condition longer than most varieties. Roots: 5 inches long, 1 1/2 inches thick at shoulder, tapering and smooth. Skin and flesh: white, crisp and slightly pungent. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 70c, 2 lbs. \$1.25, prepaid.

Ice  
icle  
is a  
long  
rooted  
waxy  
white  
Radish.

Extra  
early,  
mild and  
crisp.

A home  
garden  
favorite.



## Long Keeping Winter Radishes

Sow in early July and allow to develop during the fall months. Dig before frost and store in a cool place.

### 555. CALIFORNIA WHITE

**MAMMOTH—(60 days.)** Roots: 8 inches long, 2 inches thick; cylindrical and thickest at lower end. Flesh: white, crisp and not pungent. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 70c, prepaid.

### 558. ROSE CHINA—(52 days.)

Roots: 6 inches long, 2 inches thick, cylindrical, but thicker at lower end; blunt, smooth, bright rose-red in color. Flesh: white, very firm and pungent. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 70c, prepaid.

### 559. LONG BLACK SPANISH

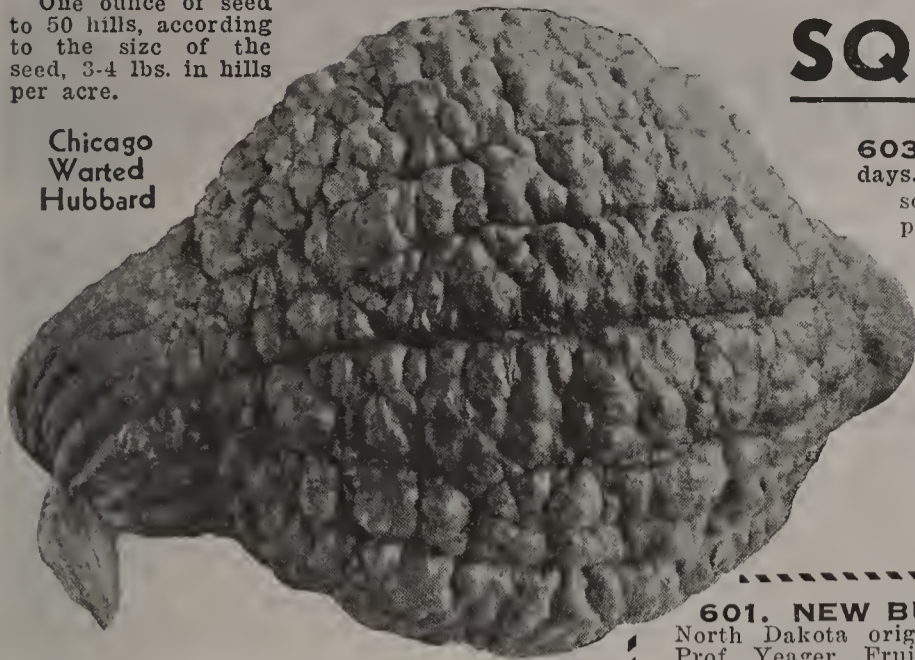
—(58 days.) Roots: 9 inches long, 2 1/2 inches thick; cylindrical, slightly tapered at tip; skin black and wrinkled. Flesh: white, solid, pungent. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 70c, prepaid.

### 560. ROUND BLACK SPANISH

—(56 days.) Roots: top shaped—3 to 4 inches thick, otherwise similar to Long Black Spanish. An excellent keeper. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1 lb. 70c, prepaid.

One ounce of seed to 50 hills, according to the size of the seed, 3-4 lbs. in hills per acre.

Chicago Warty Hubbard



**598. CHICAGO WARTED HUBBARD**—(110 days.) A very prolific good keeping sort, somewhat larger than the original Hubbard, and more thickly covered with warts. Excellent flavor and quality. Fruits: 14 inches long, 10 inch diameter; weight 14 lbs., pointed at each end, very dark green. Flesh: deep orange-yellow, dry and sweet. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

**599. IMPROVED GREEN HUBBARD**—(105 days.) A standard winter sort for home or market. Fruit: 12 inches long, 9 inch diameter; weight 12 lbs., pointed at both ends, slightly warty, dark bronze green in color; rind hard and tough. Flesh: very thick, orange-yellow, dry and sweet. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

**600. GOLDEN HUBBARD**—(100 days.) Similar to Green Hubbard, but earlier, smaller and more prolific. Fruit: 11 inches long, 9 inch diameter; weight 10 lbs., somewhat pointed at each end, moderately warty, orange-red, with faint cream colored stripes toward blossom end. Flesh: deep orange, dry and of fine quality; it keeps well. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. 90c, prepaid.

**602. MAMMOTH CHILI**—(100 days.) The giant among squashes, grown for exhibition purposes and stock feeding. A prolific sort. Fruit: 25 inches long, 18 inch diameter; weight 80 to 150 lbs., oblong, pointed; skin mottled orange and yellow. Flesh: thick and coarse. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.20, prepaid.

**595. GIANT YELLOW SUMMER CROOKNECK**—(55 days.) Highly desirable for truckers, shippers and home gardeners. Fruit: 9½ inches long, 4 inch diameter; weight 3 lbs., curved at neck, light yellow at early eating stage, and covered with warts. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

# SQUASH for keeping and baking

**603. DELICIOUS**—(102 days.) A very popular winter sort. No other squash compares with it in richness of flavor. An excellent keeper. Fruit: 11 inches long, 8-inch diameter; weight 7 to 8 lbs.; top shaped. Skin dark green with light green stripes toward the blossom end. Flesh: orange, dry, and of good flavor. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.10, prepaid.

**601. NEW BUTTERCUP**—A North Dakota origination, developed by Prof. Yeager. Fruits weigh 3 to 5 lbs. and have a tough thin green skin. Flesh: deep rich orange untinged with green. There is no fibrous section and this squash is an excellent keeper, with little waste or shrinkage. It is acorn shaped.



The flavor is similar to sweet potato, with smooth texture; cooks dry and is coming into great popular favor. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid.

**Trial Packet . . . . . 8c**

**607. KITCHENETTE**—(100 days.) A new Dwarf Hubbard, from the Minnesota Experiment Station that combines the better qualities of several varieties. Has the size of the Table Queen, the delightful flavor of the Delicious, keeping qualities and yield of Hubbard. Weight: 5 to 7 lbs. Quality is splendid—cooks up mealy and dry, with a delicious nutty flavor. Just the right size for average family use. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.10, prepaid.



**604 New Golden Table Queen**—the most attractive squash grown.

**604. NEW GOLDEN TABLE QUEEN**—(60 days.) An unusual, handsome new, long keeping variety, edible from early fall throughout the winter. Resembles the regular Table Queen, except the size is slightly larger and the color is deep beautiful gold. Developed from the Green Table Queen to a high degree of purity. The fruits are deeply ribbed, pointed at the blossom end; the orange flesh is thick, dry and of fine texture. The golden ripeness of this fruit gives it an attractive appearance on the market that appeals to the critical buyer. Size 5¼x3¾ inches, weight 1¼ pounds. Pkt. 8c, oz. 15c, ¼ lb. 45c, lb. \$1.25, prepaid.

**605. TABLE QUEEN**—(58 days.) An early maturing variety, trailing in habit and of exceptional flavor and quality. Very desirable for home or market garden use and for shipping. Fruit: 6 inches long, 4½ inches diameter; weight 1½ lbs., acorn shaped, ribbed, smooth, thin shelled, dark green. Flesh: light yellow, bakes well, with inviting flavor. See inside front cover. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.10, prepaid.

**606. SWEET POTATO SQUASH**—(58 days.) A small, early squash of the most pleasing flavor and unusual quality. The skin is smooth, of light golden color, striped with green at the ridges. The flesh is thick, deliciously sweet, and of fine texture. Size 7½x3 inches, weight 1¾ lbs. Pkt. 8c, oz. 15c, ¼ lb. 35c, lb. \$1.10, prepaid.

**596. GREEN COCOZELLE**—(65 days.) An early summer squash of the popular "Zepelin" shape. Sells on sight because of its handsome appearance. Long, smooth, dark green with lighter green stripes which change to deep yellow when ripe. Fruits are 14 inches long, 5 inches thick, weigh 3½ lbs. Flesh: greenish white, firm and tasty. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.10, prepaid.

Eat More Home-Grown

## SPINACH

One ounce plants 100 foot row.

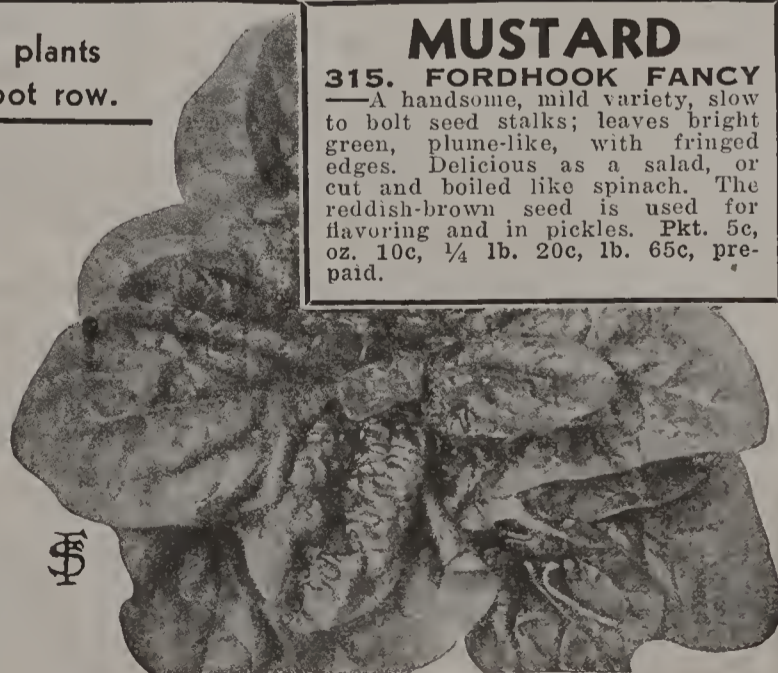
**CULTURE**—Succeeds best on rich, well drained soil. Sow early in spring, one inch deep, in rows 12 to 15 inches apart. For succession sow every two weeks until June.

**584. KING OF DENMARK SPINACH**—(45 days.) Highly desirable for canning and for market gardens. Large, spreading plants carry broad, rounded, very dark green leaves which are somewhat crumpled. Excellent for spring planting as it is slow to go to seed. Very hardy and of good quality. Pkt. 8c, ¼ lb. 17c, lb. 55c, 2 lbs. 95c, prepaid.

**583. MATADOR OR GIANT NOBLE**—(45 days.) Very valuable for market or home garden. Plants are large, vigorous and spreading; leaves huge, thick, smooth and tender; color deep green. It is slow to form seed stalks and an extremely heavy yielder. The best of the Giant Thick Leaved sorts for spring and summer. Pkt. 5c, ¼ lb. 15c, lb. 45c, 2 lbs. 85c, prepaid.

**589. NEW ZEALAND**—(70 days.) Native of New Zealand—quite distinct from other varieties of Spinach, it thrives in hot dry weather. The large spreading plants have small, thick pointed deep green leaves, which can be picked repeatedly throughout the season. Soak seed in hot water for several hours before planting. Pkt. 5c, ¼ lb. 20c, lb. 65c, prepaid.

**586. BLOOMSDALE SAVOY LEAVED**—(39 days.) A very early, vigorous variety, desirable for home gardens, for shipping to distant markets and for canning. Plants erect in growth, hardy and attractive. Leaves large, crumpled, somewhat blistered; dark glossy green. Seeds fairly early. Pkt. 5c, ¼ lb. 15c, lb. 45c, 2 lbs. 85c, prepaid.



King of Denmark—tender, succulent, good flavor.

## MUSTARD

**315. FORDHOOK FANCY**—A handsome, mild variety, slow to bolt seed stalks; leaves bright green, plume-like, with fringed edges. Delicious as a salad, or cut and boiled like spinach. The reddish-brown seed is used for flavoring and in pickles. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, prepaid.

# Luscious - Wholesome **Tomatoes** Should be in every Garden

1 oz. Produces 2000 Plants, 1/4 lb. to Transplant an Acre

**CULTURE**—The time from setting out plants to marketable stage is listed here. For early plants, sow the seed in flats or hotbeds, in March. Cover with soil to a depth of one-half inch. The seed germinates in 6 to 12 days. When the plants are 3 inches high, transplant them to other flats, or preferably to paper pots, giving each plant 4 inches of room. About the end of May, set the plants out in the garden, 3 feet apart each way. Pinching off some of the stems will make the plants bear more abundantly.

## Newest Triumphs of America's Leading Plant Breeders!

**614. PHENOMENAL** — (70 days.) Color illustration, front cover page. A new continuous bearing medium early variety. Develops strong vigorous vines, with large size fruits, nearly round or slightly flattened. They seldom crack—are exceptionally solid, ripen evenly and have a bright scarlet color all the way through. The flavor is excellent and not very acid. It resists both blight and rust. Pkt. 15c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$1.90, prepaid.

**608. NEW PENN STATE**—An All-America Winner. A splendid new very early tomato with attractive medium sized fruit of nearly globular shape and rich even scarlet color—with no blemishes. Flesh is of superb quality and flavor with rich dark red color, very little core and few seeds. Valuable for home or market because of earliness and tremendous yield. Pkt. 10c, 1/2 oz. 35c, oz. 45c, 1/4 lb. \$1.25, lb. \$4.25, prepaid.

**617. SCARLET TOPPER**—(73 days.) A scarlet, self-topping, disease-resistant variety. It is highly productive, of excellent quality, and very valuable for market garden use and for long distance shipping. Fruit: large, smooth, solid, with thick walls and cross sections: color light scarlet. A tasty tomato either sliced or cauced. Pkt. 8c, 1/2 oz. 25c, 1 oz. 35c, 1/4 lb. \$1.00, lb. \$3.50, prepaid.

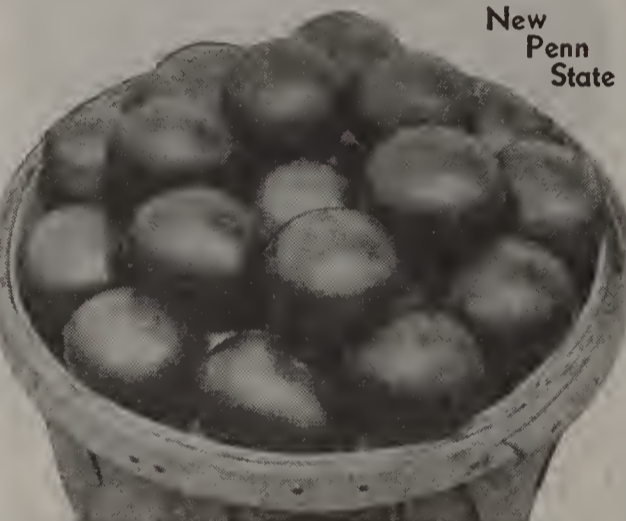
**613. NEW RED RIVER**—A new introduction by Prof. Yeager of North Dakota Agricultural College. It proved to be the heaviest yielder out of over 40 varieties tried at the experiment station at Nordon, Manitoba, Canada. It is therefore exceptionally early—fruits small to medium size—bright scarlet—slightly flattened shape. Pkt. 8c, 1/2 oz. 25c, 1 oz. 40c, 1/4 lb. \$1.00, lb. \$3.50, prepaid.

New  
Penn  
State

**618. NEW SCARLET DAWN**—(70 days.) A Gold Medal Winner. Fruit: very large with thick wall structure—globular, smooth, free from flat sides and puffiness. Color: bright scarlet, ripening well to the stem. Very attractive and appetizing in salads, spicy tomato juice or snappy catsup sauce. (See inside back cover.) Pkt. 10c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.10, lb. \$4.25, prepaid.

**609. EXTRA EARLY BISON**—(63 days.) Developed by Prof. Yeager, North Dakota Agricultural College. In repeated trials it has produced an early and very heavy crop under conditions that would mean failure to most sorts. Fruit a little larger than Earliana, deep scarlet, meaty, few seeds and of finest quality. Bison has produced over 40 lbs. of ripe fruit on one plant. Matures a few days ahead of Earliana but far superior in yield and quality of fruit. (See letter and picture below.) Pkt. 10c, 1/2 oz. 25c, oz. 45c, 1/4 lb. \$1.25, lb. \$4.25, prepaid.

EXTRA  
EARLY  
BISON



**615. GOLDEN JUBILEE CLIMBING TOMATO**—A new novelty—grows 10 to 12 feet high, with delicious red fruit 3 1/2 inches across and 2 3/4 inches deep. It is a record yielder, producing solid, meaty fruits until killed by frost. Nearly two bushels of fruit have been picked from a single vine. Fine for screen or trellis planting. Pkt. 15c, 1/2 oz. 50c, prepaid.

**653. GROUND CHERRY OR HUSK TOMATO**—(86 days.) This is not a true tomato. Used as a novelty and for preserves. Flavor is outstanding. Excellent in combination with oranges, lemons or ginger. Fruit: small, yellow, round, enclosed in a loose, papery husk. Of delicate flavor. Vine: spreading and flat. Pkt. 5c, 1/2 oz. 20c, oz. 30c, 1/4 lb. 90c, prepaid.

Tonawanda, New York,  
F. S. N. Co.

It was lots of fun for my daughter, Olive, age four to fill her basket with Farmer Seed Co's. Bison Tomatoes from her daddy's big Bison plant bearing 159 tomatoes! (See picture at right.)

Folks who like an attractive, solid tomato should try Bison. The plant is small, thereby taking up little room.

I found it common to get from 30 to 40 pounds of fruit from one plant.

Elmer E. Smith.



159 Bison Tomatoes on one Plant!

Grown by Elmer E. Smith, Tonawanda, N. Y. (See Letter)



PHENOMENAL

Is Blight and Rust Resistant

## Dependable Old Favorites

**611. SCARLET EXTRA EARLY JUNE**—(60 days.) This tomato ripens a whole week earlier than Earliana, and is very productive. Fruits are of large size for an early sort, deep glossy scarlet, and ripen uniformly, the stem end coloring up perfectly. Flavor is delicious, fruit is firm and meaty, with few seeds. Pkt. 8c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.00, lb. \$3.50, prepaid.

**612. SPARKS EARLIANA**—(65 days.) Fruit: flattened, medium size, firm, bright red, quite smooth. Vine: open spreading, medium small. A first early sort, widely used for home gardens and truckers. Pkt. 5c, 1/2 oz. 15c, oz. 25c, 1/4 lb. 75c, lb. \$2.75, prepaid.

**626. F. S. & N. CO'S STONE**—(85 days.) Popular with canners and market growers everywhere. Fruit: large, globular, flattened, exceptionally attractive, bright red in color and quite solid. Plant: short, compact, with dark foliage. Pkt. 5c, 1/2 oz. 15c, oz. 25c, 1/4 lb. 75c, lb. \$2.50, prepaid.

**628. JOHN BAER**—(70 days.) Here is an excellent early sort maturing between Earliana and Bonny Best. Excellent for local market gardening and canning. Fruit: medium sized, semi-globular, very attractive, bright scarlet red, smooth and firm. Vine: of medium height and open growth. Pkt. 5c, 1/2 oz. 15c, oz. 25c, 1/4 lb. 80c, lb. \$2.75, prepaid.

**635. BONNY BEST**—(74 days.) A standard second early variety, valuable for market gardeners, shippers, and canners and perhaps the most generally grown variety. Fruit: medium sized, apple shaped, smooth, solid, bright scarlet color, of fine quality. Pkt. 5c, 1/2 oz. 20c, oz. 30c, 1/4 lb. 90c, lb. \$3.00, prepaid.

**636. CRIMSON CUSHION or BEEF-STEAK**—(90 days.) Very large, round, and uniform, bright scarlet in color. Flesh is solid and meaty, of deliciously mild flavor, with only a few small seed cells. The vines grow from 8 to 10 feet high, and may be trained or tied to a trellis, forming a most ornamental fence for the vegetable garden. If planted early, Beef-steak will ripen by the middle of July, and continue to bear until killed by frost. Pkt. 10c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.25, prepaid.

Prevent  
"DAMPING  
OFF"  
with  
SEMESAN.  
See page 18.

TOMATO  
PLANTS  
on  
page 29.

CUT-  
WORMS?  
Plant Guards.  
Page 30.  
Insecticides.  
Page 77.

# Tomatoes — Tobacco — Turnips — Rutabagas

## Pink, Yellow and White Tomato Novelties

**639. GIANT PONDEROSA** — (88 days.) The largest tomato grown. A splendid sort for home use and for canning, as the fruits are so solid, meaty and free from acid. Fruit: very large, flat, purplish pink, solid, with small seed cells; of inviting flavor. Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.25, prepaid.

**642. GOLDEN PONDEROSA** — (89 days.) An exceptionally large, mild flavored, yellow sort for the home garden for late maturity. Fruit: very large, flat, deep yellow, quite solid, slightly rough, with small seed cells. Vines: large, spreading, strongly resistant to wilt. Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.25, prepaid.

**616. OXHEART** — (90 days.) In shape it's different from any other tomato. It is of great size, has very thick flesh and is almost seedless. Excellent in salads. Fruit: extremely large, heart shaped, pink; very solid, meaty, and of mild flavor. Vine: open, spreading, fairly productive. Pkt. 10c, ½ oz. 35c, 1 oz. 60c, ¼ lb. \$1.70, lb. \$6.00, prepaid.

**644. FARGO YELLOW PEAR** — A delicious early tomato of novel appearance. An ideal sort for making fancy pickles, preserves, canning, etc. Fruit is pear shaped and of attractive golden color. Easily grown and yields wonderfully. Do not fail to try it. Pkt. 10c, ½ oz. 35c, oz. 60c, prepaid.



**OXHEART**  
—The Solid  
Meat  
Tomato

### NEW—Acid Free, Ivory White Tomato



**637. SNOWBALL WHITE TOMATO** — A novelty everyone will admire. Ivory white fruit—paper white flesh. A tomato anyone can enjoy as it contains no acid. Grows to large size, and the quality is excellent. Grow something different. Pkt. 10c, ½ oz. 60c, oz. \$1.00, prepaid.

### ADAMS TOMATO AND PEONY SUPPORTS

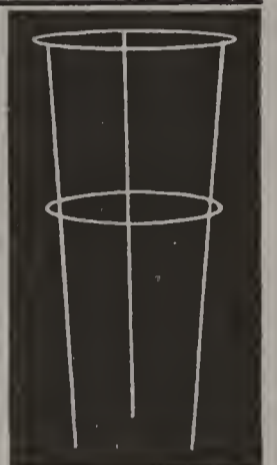
Made of strong galvanized wire—will not rust. The most satisfactory plant support on the market. Inexpensive—will last for years.

Diameter	Height	Gauge	Price Prepaid	Not Prepaid
Top Ring		Wire	2 for	5 for
14 in.	30 in.	6	\$0.50	\$0.90
18 in.	30 in.	6	.60	1.10
18 in.	30 in.	3	.80	1.50
24 in.	42 in.	3	1.10	2.10

### TOBACCO

One ounce of seed will produce plants for one acre.

**519. CONNECTICUT SEED LEAF** — Grown principally for the manufacture of cigars. Hardy, prolific, and well suited to production in the north and central states. Pkt. 8c, ½ oz. 25c, oz. 40c, prepaid.



## — Turnips —

## — Rutabagas —

One ounce will sow 125 feet of drill, two pounds per acre in drills, three pounds broadcast. See Culture at bottom of page. Please order by name and number.



Improved Purple  
Top Rutabaga.

**CULTURE**—Turnips and Rutabagas do best in highly enriched, light loam soil. In rich soil and cool weather, they grow rapidly, without becoming bitter in flavor. Sow in April, in drills 12 to 15 inches apart, and thin out to stand 8 inches apart in the row. Rutabagas keep much longer than Turnips, otherwise there is but little difference in flavor.

**681. EXTRA EARLY PURPLE TOP MILAN TURNIP** — (40 days.) An extra early sort for home garden and truckers. Of excellent quality. Roots: 4 inch diameter, very flat, white with purple top. Flesh: clear white, fine grained, sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 60c, prepaid.—Not prepaid, 5 lbs. at 50c per lb.

**683. WHITE EGG TURNIP** — (55 to 60 days.) An early variety adapted for either spring or fall sowing. Roots: 2½ inch diameter, 3½ inches long; egg-shaped, white throughout; smooth, fine grained and of excellent quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 60c, prepaid.—Not prepaid, 5 lbs. at 50c per lb.

**685. PURPLE TOP WHITE GLOBE TURNIP** — (58 days.) Our pure bred strain is noted for its uniformity and productivity. Roots: 4 to 6 inch diameter, large globe shaped, very smooth, upper part purple-red, white below. Flesh: white, sweet, crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 60c, prepaid.—Not prepaid, 5 lbs. at 50c per lb.

**686. EARLY PURPLE TOP STRAP LEAVED TURNIP** — (45 days.) A medium early productive variety, used extensively for home and market garden planting. Roots: 3 to 5 inch diameter, flat, purple red at the tops, white below. Flesh: white, fine grained and tender. Tops, medium, upright and compact. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 65c, prepaid.—Not prepaid, 5 lbs. at 50c per lb.

**698. IMPROVED AMERICAN PURPLE TOP RUTABAGA** — (88 days.) Our special strain is noted for its uniformity of shape and heavy yield. A dependable variety. Keeps well and of excellent quality. Roots: 5 to 7 inch diameter, large, round with small neck and slight tap root; yellow with purple top. Flesh: light yellow, firm, sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, prepaid.—Not prepaid, 5 lbs. at 40c per lb.

**699. WHITE OR SWEET RUSSIAN RUTABAGA** — (90 days.) Very productive. Roots: 5 to 6 inch diameter, very large, globular, with medium neck, color mainly white, with bronze-green top. Flesh: white, sweet, semi-firm. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 60c, prepaid.—Not prepaid, 5 lbs. at 50c per lb.

**701. F. S. & N. CO'S EARLY NECKLESS RUTABAGA** — A new variety and a great improvement over Purple Top Yellow Rutabaga. It is earlier—entirely neckless—free from side roots, round and uniform. The flesh is white, fine grained and sweet. Another money-maker for market gardeners and a quality vegetable that sells on sight. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, prepaid.—Not prepaid, 5 lbs. at 60c per lb.

**700. YELLOW MAMMOTH RUTABAGA** — A large size root of good shape, a heavy yielder and very hardy. One of the most profitable to grow. Keeps well. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, prepaid.—Not prepaid, 5 lbs. and over at 40c per lb.

# Unusual Vegetables

To Whet the Appetite

## KOHLRABI

One ounce for 200 feet of row.

Sow the seed in light, rich soil as early in spring as possible. Thin to 6 inches apart in the row. Sow at intervals of 10 days for successive crops. Ready for use when 2 to 2½ inches in diameter.

**309. TRIUMPH OF PRAGUE**—An All-America selection. Uniform in shape, size and color; short top. Slow to run to seed. The flesh is white and tender. Pkt. 10c, oz. 20c, ¼ lb. 65c, prepaid.

**310. EARLY PURPLE** — (62 days.) Dwarf plants having short, green leaves with purple stems and veins. Bulbs globular purple, with white, tender flesh. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.80, prepaid.

**311. EARLY WHITE VIENNA** — Very handsome, white fruit. Excellent both for forcing and open ground; flesh white and very tender; leaves short. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid.

## LEEK

**312. LONDON FLAG** — A species of onion ideal for flavoring soups. Thin plants to 6 inches apart. When 8 inches high transplant in rows 10 inches apart, deep as possible to blanch neck. Pkt. 8c, oz. 15c, ¼ lb. 55c, lb. \$2.00, prepaid.

Kohlrabi is a delicious vegetable.

This is **EARLY WHITE VIENNA**.

## HERBS

To Flavor, Season and Garnish

To keep over winter, cut on a dry day, just before they are in full bloom. Dry in the shade and store in air-tight Mason jars.

**660. CARAWAY**—Grown for the seeds, which are used for flavoring. Pkt. 5c, oz. 25c, prepaid.

**661. CHIVES**—Used for seasoning, of mild onion flavor. Pkt. 8c, ½ oz. 35c, oz. 50c, prepaid.

**663. DILL**—Seeds have an aromatic odor and pungent taste. Used for pickles. Pkt. 5c, oz. 10c, ½ lb. 40c, lb. 75c, prepaid.

**670. MINT**—Old-fashioned. Mint leaves add zest to cool, refreshing drinks as lemonade, ice tea, mint juleps. Fine for sauce. Pkt. 10c, oz. \$2.50, prepaid.

**671. MARJORAM** — The young, tender tops are used green for flavoring, or they may be dried for winter use, for flavoring broths, dressings, etc. Pkt. 8c, oz. 35c, prepaid.

**674. SAGE**—The leaves and tops are used very extensively for seasoning. Pkt. 8c, oz. 35c, prepaid.

**675. SUMMER SAVORY**—A hardy annual. The dried stems, leaves and flowers are fine for flavoring soups, dressings, etc. Pkt. 8c, oz. 30c, prepaid.

**676. THYME**—The young leaves and tops are used for seasoning soups, in dressings, etc. Pkt. 8c, oz. 50c, prepaid.



Curled Endive for Crisp Salads.

## KALE or BORECOLE

This member of the cabbage family does not form heads, but is grown for greens. Can be sown late, as plants continue to grow late in the season. A heavy frost improves the flavor and quality of the thick, crumpled leaves.

**75. DWARF GREEN CURLED**—Plant is low and compact with large, bright green leaves, curled, and wrinkled. A healthy vegetable, and one of the most palatable when well cooked. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c, prepaid.

## CELERIAC

Turnip Rooted Celery

The roots are used in salads or boiled like parsnips, or turnips, and have a celery flavor. They keep well all winter. Celeriac may be cooked and served with cream sauce, or used as a salad.

**199. LARGE ERFURT** — Roots large, smooth, turnip-shaped, excellent flavor. Pkt. 8c, oz. 20c, ¼ lb. 60c, lb. \$2.10, prepaid.

## EGG PLANT

One ounce will produce 1,000 plants. Sow seed in hotbed in March, when an inch high, pot in 3-inch pots. Set out about June 1st, 2½ feet apart.

**300. NEW YORK PURPLE SPINELESS**—Plants are large, vigorous, spreading. Fruits very large, oval, of glossy, dark purple color; usually 4 to 8 fruits per plant. Pkt. 8c, ½ oz. 20c, oz. 30c, ¼ lb. \$1.00, prepaid.

**302. BLACK BEAUTY**—Desirable for the northern states. Earlier than New York Spineless. The fruits are broad, thick, of most attractive form and finest flavor. Their rich, lustrous, purple color is very uniform. Pkt. 8c, ½ oz. 20c, oz. 30c, ¼ lb. \$1.00, prepaid.

## ENDIVE

**305. GREEN CURLED**—A very beautiful sort of which the leaves are very light colored, even the outer ones being nearly white. They are crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

## SALSIFY Vegetable Oyster

One ounce for 100 feet of row. Sow early and quite deep, giving same culture as for parsnips. The roots when cooked are appetizing and nutritious, with a mild, oyster-like flavor.

**592. MAMMOTH SANDWICH ISLAND**—An improved variety with roots 6 to 8 inches long, 1 to 1½ inches thick, tapering, smooth, dull white. Plants 3½ feet tall. Pkt. 8c, oz. 20c, ¼ lb. 60c, lb. \$2.10, prepaid.



BRUSSELS SPROUTS—a table delicacy you can grow in your own garden. See page 8.

## GARDEN HUCKLEBERRY

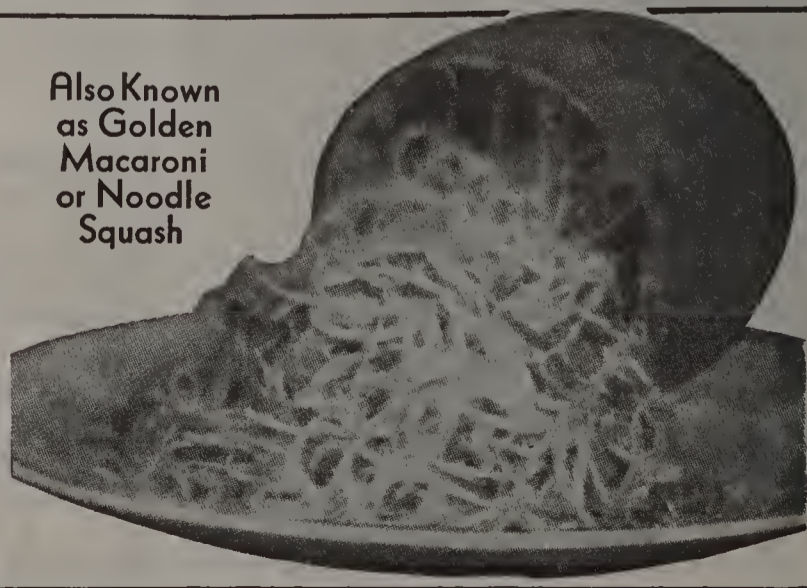
Makes Delicious Pies, Preserves and Jams

**655.** The berries are borne in clusters and when ripe are a shining black color, about ½ to ¾ inch in diameter. Plants grow 3 feet tall and thrive on any soil. Culture same as for tomatoes. Pkt. 10c, ½ oz. 40c, oz. 65c, prepaid.

## Vegetable Spaghetti

**314.** Smooth, creamy-white fruits, 8 inches long and 4 to 5 inches in diameter. Pick fruit when well matured. May be stored like squash for winter use. Before cooking, puncture one end of fruit, place in kettle of hot water and cook 20 to 30 minutes. Cut it in half, remove center seed core, and the flesh will fall out in shreds, suggestive of spaghetti. May be served hot with salt and butter, or with a cream sauce. As a cold dish, serve with vinegar dressing. Pkt. 8c, oz. 20c, ¼ lb. 70c, prepaid.

Also Known as Golden Macaroni or Noodle Squash



SPECIAL  
HERB  
OFFER

Select any  
5 packets  
above herbs

30c  
prepaid



# Vegetable Roots and Plants



## Transplanted Vegetable Plants

On plant orders less than 60c, add 15c for packing

We supply good healthy transplanted plants of all the varieties listed below, in their proper season. As soon as the transplants are taken from the flats in the greenhouse they are wrapped in moist moss and covered with oil paper, and mailed at once. Prices on plants in 1,000 lots are for seedlings. Special varieties will be grown for you if ordered early.

We cannot accept shipments beyond the third zone (300 miles) at prices quoted—all shipments beyond the third zone are sent at customer's risk.

50 or more plants at the 100 rate.

	—Minimum Order 60c.	Ppd. to 3rd Zone Dozen 100	Not Ppd. 1,000
CABBAGE, Early. Ready in April and May. Jersey Wakefield, pointed head; Copenhagen Market, Golden Acre, flat head.....	\$0.25	\$1.00	\$8.00
CABBAGE, Late. Ready in June. Hollander or Danish Ballhead, Premium Late Flat Dutch....	.25	1.00	8.00
CAULIFLOWER. Ready in April and May. Super Snowball .....	.30	2.00	12.50
CELERY, Early. Ready in June. Golden Self Blanching .....	.25	1.25	9.50
CHIVES. Ready in April. Per bunch, about 1 doz. plants .....	.30		
EGG PLANT. Ready in May and June. New York Purple .....	.35	2.00	12.50
GROUND CHERRY. Ready in May and June.....	.35	2.00	12.50
PEPPER. Ready in May and June. Bull Nose, Harris E. Giant, California Wonder.....	.35	2.00	12.50
SWEET POTATO PLANTS. Ready in May and June .....	.25	1.00	6.00
SAGE. Ready in May and June. 6 for 30c....	.50		
TOMATOES. Ready in May and June. Scarlet Dawn, Scarlet Extra Early June, Earliana, Ponderosa, Bonny Best, John Baer, Oxheart, Bison	.30	1.50	10.50

Tomatoes and Peppers—Individual Potted Plants 75c per dozen, prepaid.

## Shovel Steel Garden Trowel



Made of high carbon shovel steel. 6-in. blade. Heavy malleable shank. Upper part of blade enameled blue, varnished handle. Price: 20c, prepaid.

FLOWERING PLANTS—See Pages 82 and 83

## Washington Asparagus Roots

Sixty plants will fill a hundred feet of row and will supply a family of four.

Free circular: "How to Grow Asparagus." Ask for it!

Giant Rust-proof — a fast grower.

The tips are firm and tight, and do not open out until quite tall. They are dark green and thick, of beautiful appearance when bunched. The soil should be deeply dug, and plenty of fertilizer mixed in, before the roots are set out. Set the roots in rows 3 feet apart and 1½ feet apart in the rows. The plants should be set so that the crowns are 2 inches below the surface. One-year-old plants are considered best for setting out.

Price: One-year-old roots, 25 for 55c, 50 for 90c, 100 for \$1.50, prepaid to 3rd zone.—Not prepaid: 500 for \$5.00, 1,000 for \$8.50.

Mammoth Shoots with Firm, Tight Tips.

## Frost Proof Cabbage Plants

No Delivery Beyond the Third Zone (300 Miles).

On plant orders less than 60c, add 15c for packing

These plants are extremely hardy, and produce the earliest cabbage, fully three or four weeks ahead of any other plants. They are grown in Texas, during the winter, when the weather is often freezing, enduring cold rains and sleet. They can be set out as soon as the ground can be worked and are not injured by shipping or transplanting, as they make strong growth.

We offer the three best sorts in bundles of about 100 of a kind only, which cannot be divided. Prices include postage.

EARLY JERSEY WAKEFIELD, FLAT DUTCH or COPENHAGEN MARKET. Price 100 for 60c, 200 for \$1.10, 500 for \$2.25, 1,000 for \$3.50, prepaid to 3rd zone.

Not available after May 1.

Iowa grown plants of the above varieties will be available at the same prices from May 1st to June 10th.



Frost Proof Cabbage.

## Bermuda Onion Plants

Not Available After May 1st.

To mature extra early, these are grown in Texas, under winter conditions that make them extremely hardy and vigorous. They produce the finest flavored mild onions, in just a short time. They are excellent to grow for green onions, early in spring, or they may be allowed to develop to their full size and used in the fall. They grow large and are fine for market.

We ship Onion Plants at proper time for setting out. In bundles of 75-100 each.

Prices: Two bundles 30c, 5 bundles 60c, 10 bundles \$1.00, prepaid, to 3rd zone. Case of 60 bundles \$3.25, not prepaid, weight, 35 lbs.



Bermuda Onion Plants.

## Victoria Rhubarb or Pie Plant

Rhubarb affords the earliest sauces and pies in spring. Set roots out in spring or fall, in rows 4 feet apart, so the crowns are an inch below the surface. Do not pull stalks the first season. Plants set out in the spring will bear quite abundantly the following season. Fertilizing in the fall will be of great help to the next season's crop. Price: 3 for 30c; 12 for \$1.00, prepaid to 3rd zone.—Not prepaid: 100 for \$5.50.

## New MacDonald Red Rhubarb

This is the new strain becoming immensely popular with growers everywhere, on account of its bright crimson color. It originated in Quebec, and roots only are available. Produces large tender stalks, very succulent, and has a bright raspberry color when cooked. This variety will replace the common strain as soon as production can be increased. Roots while available are offered at 55c each, 5 for \$2.48, prepaid to 3rd zone. Not prepaid, 10 for \$4.37, 25 for \$9.85.

## Ruby Rhubarb

A new intensely red rhubarb originated in Canada. Even the inside of stalk is red. Makes delicious rhubarb sauce. Price: strong roots 55c each, 5 for \$2.48, prepaid to 3rd zone.—Not prepaid: 10 for \$4.37, 25 for \$9.85.

## Washington Red Wine Rhubarb

A beautiful red variety originated on the West Coast. A great favorite among market growers. Sells on sight on account of its fine red color. A heavy producer, excellent for pies and sauce. Price: 20c each, 3 for 50c, prepaid.—Not prepaid: 10 for \$1.50, 25 for \$2.00.

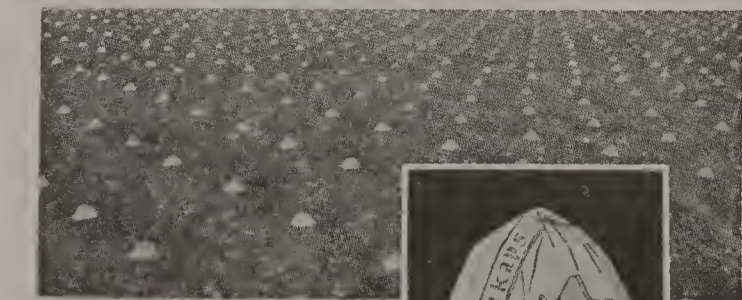
## Horse Radish Roots (Maliner Kren)

The large white variety from Bohemia—much larger and sturdier roots than the common variety. Exceptionally fast grower and most profitable of all. Flesh pure white. By mail, 12 for 35c, 100 for \$1.50, prepaid.

On Plant Orders Amounting to Less than 60c, Add 15c for Packing



# Money-Makers for the Gardener



## "Germaco" Hotkaps



Be Sure  
to  
Treat  
All  
Garden  
Seed  
with  
**SEMESAN**  
See Page 18

MODERN INVENTION PROTECTS PLANTS FROM FROST.

"GERMACO" HOTKAPS can make many extra dollars for you this season. They are patented wax paper cones—"Individual hothouses for each plant"—that completely cover them, and fully protect them from frost, wind, rain, ground-crusting, and insects. This is your assurance of earlier, bigger crops, and higher early-to-market prices. Hotkaps are inexpensive and easy to use. One man "sets" 2,500 per day.

Hotkaps enable growers to market crops three weeks earlier and reap the fancy prices paid early in season.

### PRICES:

Home  
Package  
Hotkaps

25 Hotkaps and Cardboard Setter.....\$0.65 prepaid to 3rd Zone

100 Hotkaps with Tin Setter and Tamper... 2.60 prepaid

250 Hotkaps with Tin Setter and Tamper... 4.00 prepaid

Hotkaps  
only.

100 for \$1.75—250 for \$3.40 prepaid.

500 for \$6.00—1000 for \$10.25 prepaid.

Booklet  
free

5000 at \$9.65 per 1000—not prepaid.

Steel Hotkap Setter (with handle) and Tamper—\$1.50.  
Tin Setter, each 50c; Steel Tamper, 25c.  
Weights—1,000—28 lbs., 250—9 lbs., 100—5 lbs.

PREPAID  
PRICES TO  
3rd ZONE

## Masters Rapid Plant Setter

The only practical tool for transplanting all kinds of plants—Tomatoes, Cabbage, Cauliflower, Pepper, Egg Plant, etc.

Each plant is set, watered and covered in one operation, without any stooping or lame backs. Cuts labor to one-third. With the Masters Rapid Plant Setter, one man will set 8,000 to 15,000 plants per day—this is more than three men can do by hand.

### Does Perfect Work.

The roots of each plant are put into the ground in a natural position and firmly set by the absorption of the water into the ground. This is "Nature's Own Way." Transplanting losses are reduced to the minimum. The tiny roots are sucked into the ground almost as though they grew there and the plant takes hold and starts to grow at once.

### Don't Wait for Showers.

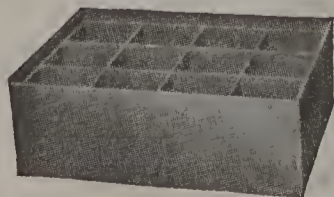
You can set your plants just when you are ready with the Masters Rapid Plant Setter and you will have a full stand of plants without fail. Works equally successful on hillsides, among stumps and uneven ground.

Thousands are in use—they are guaranteed to satisfy you fully or money back. This Setter will pay for itself within the first week of use. Price: \$5.25, f. o. b. Faribault. Weight, 7 lbs.



Masters  
Plant Setter.

## Plant Bands and Plant Boxes



For starting and growing seedlings—shipping young plants—protection against cutworms.

Neponset Plant Bands are made of heavy durable, waterproof paper. The ingenious side locking construction makes for convenience in setting up.

Neponset Plant Boxes are becoming exceedingly popular—each box contains 12 two-inch plant bands—trays made of durable thickness of the same heavy waterproof paper.

The plant box is ideal for starting seedlings indoors, or for growing and marketing plants in units of 12. They are inexpensive and are used by leading gardeners everywhere.

Price: Plant Boxes and 12—2-inch Plant Bands in each—10 for 90c, prepaid. Not prepaid—100 Plant Boxes and 1,200 Bands for \$7.90.

Plant Bands only: Size 2 inch—100 for 45c, prepaid. Not prepaid—500 for \$1.60—1,000 for \$2.85. Three-inch size, for larger plants, 100 for 55c, prepaid. Not prepaid, 500 for \$2.10—1,000 for \$3.90.

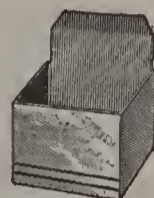
## Neponset Flower Pots

Adapted for growing, transplanting or shipping. Made of tough, waterproof green paper, eliminating breakage. Permits speed in handling and more economical than clay pots. Used by the best gardeners everywhere. The green pots are somewhat heavier for frequent handling. Weight 4 in., 52 lbs. per 1000.

Prices:	Dozen Prepaid	100 Prepaid	1,000 Not Prepaid
2 -inch, Green	\$0.15	\$0.70	\$5.25
2 ½ -inch, Green..	.18	.75	6.00
3 -inch, Green..	.20	.90	7.50
3 ½ -inch, Green..	.25	1.15	9.75
4 -inch, Green..	.30	1.50	11.00
5 -inch, Green..	.35	1.75	15.50



## Berry Boxes and Crates EWALD'S FOLDING BERRY BOX



Complying with all state laws, this box is considered the most practical—saves time and effort—no nails or stapling. A strong non-collapsible box in standard quart and pint sizes.

Quart Size—100 boxes, \$1.40; 250 boxes for \$3.00; 500 for \$4.85; 1,000 for \$9.00.

Pint Size—100 boxes, \$1.20; 200 for \$2.25; 400 for \$3.95; 1,000 for \$8.00, f. o. b. Faribault. Exp. or freight only in 400-1,000 lots.

## AMERICAN ONE-QUART BASKETS AND CRATES



All made up—firmly constructed—standard size—packed nested. Our best seller and most economical to use. Price: 100 baskets, \$1.00, 500 baskets, \$3.90, 1,000 baskets, \$6.90.

PINT SIZE BASKETS—100 for 90c, 500 for \$3.75, 1,000 for \$6.75. F. O. B. Faribault. Exp. or frt. only.

### CRATES FOR AMERICAN BASKETS

Made from best ½-inch seasoned lumber, planed 9 inches wide and 8 ½ inches high. The sides are of veneering, 4 inches wide and 20 ¾ inches long. Cover is one solid piece of veneering. Use 1 ½-inch cement coated nails.

Sixteen-quart crates—100, \$17.00; less quantities, 20c each.

Twenty-four pint crates—100, \$19.00; less quantities, 22c each.

F. O. B. Faribault.

Weight: 100 quart baskets—8 lbs.

500 packed in one crate—65 lbs.

125 Folding quart boxes, with one crate—15 lbs.

## Cutworms? Veneer Plant Guards

Protects plants from damage by cutworms—acts as fertilizer.

Minnesota Basswood Veneer Plant Guards may be readily placed around the plants just after planting. The wood bands will not choke or hinder growth or development of the plants. After 8 to 10 weeks the bands are absorbed by the soil and act as a fertilizer, promoting healthy plant growth. Set bands about two inches in the soil. Indispensable for market growers or home gardeners. Shipments: Freight or Express.

Price: 3x8-in. Bands (packed flat), 100 for 50c, prepaid. Not prepaid, 500 for \$1.25, 1,000 for \$2.00. 4x10-in. Bands, 100 for 75c, prepaid. Not prepaid, 500 for \$1.60, 1,000 for \$3.00. Weight, 20 lbs. per 500. For those who prefer quart size Basswood berry box bands, especially suitable for melon, cucumber and tomato plants, we offer them packed flat at 100 for 65c prepaid; 500 for \$2.00, 1,000 for \$3.75 not prepaid.



IDEAL  
HAND  
WEEDER  
HANDIEST  
TOOL  
ON EARTH.

## — Ideal Weeder —

Indispensable for all garden work. Just the thing for close work around delicate plants. Most practical weeder on the market. Used by the best gardeners everywhere.

Price: 25c each, 3 for 65c, prepaid.

## Hole-In-One Planting Tool

Just the thing for setting out plants—makes a hole-in-one operation. Simply cut the tool into the soil and in withdrawing the tool, with a twisting motion, out comes a plug of soil—leaving a perfectly flat bottomed hole. No ragged edges, but a firm base for your plants.

This tool is made of high grade steel rigidly constructed—finished in bright red. Price: 55c, prepaid.

The same tool with long handle, designed for hard work and with adjustable foot rest for controlling planting depth, \$2.90, f. o. b. Faribault.



Hole-in-One  
Planter.



WAYZATA—  
King of  
the  
Everbearers

# Fresh STRAWBERRIES

## from your own garden

BIG AND LUSCIOUS—OUR PLANTS ARE YOUNG AND HEALTHY WITH A VIGOROUS ROOT SYSTEM

8,000 plants for an acre. Set in rows 4 ft. apart—plants 1½ ft. apart in the rows

**10%  
Discount**

on all orders for Strawberry Plants received with remittance by

**March 1st!**

### DORSETT Heavy Yielding

*June Bearing*

An outstanding June bearing variety. Has a record of very high yield—over 6,000 quarts per acre. A vigorous grower—healthy and upstanding. Berries larger than Premier—color light red and a self-pollinating variety. Dorsett has withstood frost damage exceptionally well, and is of great value for the North. Price: 50 plants for 75c, 100 for \$1.25, prepaid. Not prepaid, 500 for \$4.00, 1,000 plants for \$7.50.

### SENATOR DUNLAP The Famous Old Reliable

*June Bearing*

Beautiful, glossy, dark red color all through, the flavor is delicious, mild and sweet. Wonderful for canning and preserves. The berries are medium to large in size, and medium firm—excellent for home use and local markets. Plants are healthy, fast growers and make runners freely. A dependable midseason sort. Price: 50 for 70c, 100 for \$1.00, prepaid. Not prepaid, 500 for \$3.20, 1,000 for \$6.00.

### SCARLET GEM A New Everbearer

Bears 90 days after planting. Berries are smooth, bright red and ripen uniformly, with no green tips. Firm, fine-flavored, sweet and very productive. A much improved offspring of the old Progressive Everbearing variety. Price: 50 plants \$1.10, 100 for \$2.00, prepaid. Not prepaid: 500 plants \$5.50, 1,000 plants \$10.00. (Weight 500 plants, 20 lbs.)

**SPECIAL**

### AMERICAN BERRY BASKETS

(See page 30)

Quart Size Baskets: 100 for \$1.00, 500 for \$3.90, 1,000 for \$6.90.

Pint Size Baskets: 100 for 90c, 500 for \$3.75, 1,000 for \$6.75.

All prices f. o. b. Faribault—Express or Freight Shipments Only.

Weight—100-qt. baskets, 8 lbs. Crate of 500 baskets, 65 lbs.

### FAIRFAX

*Large, Firm and Delicious*

*June Bearing*

Introduced by the Department of Agriculture and a wonderful plant maker. Thrives in all kinds of soil, and withstands frost and adverse weather conditions remarkably well. Fairfax bears early fruit of good size and of rich carmine-red color. Its long picking season is especially desirable. For home or market this berry will always make good. Price: 50 for 85c, 100 for \$1.25, prepaid. Not prepaid, 500 for \$4.50, 1,000 for \$8.00.

### PREMIER Earliest of All

*June Bearing*

Considered the earliest June bearing variety—always giving satisfaction and ranks first in popularity among leading horticulturists. Fruit is of large size, bright red. Quality and fruit flavor exceptionally fine. Will withstand drought and is one of our best shippers. Price: 50 for 85c, 100 for \$1.25, prepaid. Not prepaid, 500 for \$4.50, 1,000 for \$8.00.

### More Cash in Fall

284 cases (of 24 pints) were marketed this fall from an acre of Wayzatas. They brought an average price of \$3.20 per case, or \$908.80 cash.



### BOOK ON FRUIT GROWING Free with a Nursery Order of \$2.00 or more.

GROW YOUR OWN FRUIT—A valuable book for the farmer and home orchardist. Contains general directions for growing the common deciduous tree fruits, small fruits and grapes. Gives general directions on proper pruning, mulching, fertilizing, disease and insect control, etc. 82 pages. Regular price 10c.

### New Golden Cream STRAWBERRY

*You Grow It From Seed*

Flowers within 8 weeks after sowing and produces great quantities of golden colored fruit throughout the season. Flavor and aroma exceptionally fine. The plant does not have runners. Pkt. 25c, 3 pkts. for 65c, prepaid.

### It Pays To Grow Wayzatas

The Braden Bros. of Wayzata received over \$3,000 in cash from a 3-acre plot in a normal year, and \$2,082 cash from the same plot in a drought year.

Twin City Dealers have been unable to supply the demand for Wayzata Berries, and they always bring a fancy price.

J. D. Winter, Secretary Fruit Growers' Assn., considers Wayzata especially valuable to Commercial Growers on account of its excellent shipping quality and beautiful appearance.

# MINNESOTA GROWN Nursery Stock

## HARDIEST

—because it is grown  
in a severe cli-  
mate!

## DISEASE-FREE

—because of rigid  
state inspection!

## LOWEST COST

—because you deal  
direct with the  
grower!

## Special Discounts For Early Orders NURSERY STOCK ONLY BIG SAVING A REWARD FOR FORESIGHT

15% Discount  
To March 1st

10% Discount  
To April 1st

On nursery orders from pages 32 to 43, amounting to \$5.00 or more—at not prepaid prices. Strawberries and Special Offers not included. Orders to reach us by date specified.

## LOWEST PRICES IN YEARS

### WE HELP YOU PLAN

If uncertain what to plant, let us help you plan. Tell how much you feel like investing and you will be surprised at the wonderful collection of Trees and Shrubs just a few dollars will buy, and the great improvement it will make.

### LANDSCAPE PLANS

We make no charge for suggestions what to plant, however, if a detailed plan is wanted, drawn to scale by our expert landscape draftsman, send us a remittance of \$2.00 to cover a complete plan with full instructions. The \$2.00 we request is to confine our efforts to those who are really interested and this amount will be applied on any purchase of nursery stock amounting to \$15.00 or over.

Send for a landscape chart on which to make a rough drawing of your place and present plantings, buildings, etc. It will be sent for 2c to cover postage. No planting plan can be made after March 15th by our Landscape Department.

### SEND PART REMITTANCE ONLY

Make your selections now, so the best specimens may be reserved for your order. Don't wait until the planting season is at hand. Send us only one-third of the amount due with the order—balance can be paid at shipping time.

Note: Owing to the great expense of handling and packing nursery items, we cannot accept orders for Trees, Shrubs or Plants totalling less than 60c unless 15c extra is remitted to cover packing cost.

### SHIPPING SEASON

As a rule we ship from about March 15th, throughout April and May.

All items are securely packed and guaranteed to reach destination in good growing condition. Instructions for planting with every order.



## SAVE YOUR TREES!

### SULPHONOL RABBIT REPELLENT

Protects trees from rabbits and mice. Inexpensive to use. Keeps tree borers away and prevents sun scald. Mix with water and paint the trees two feet above snow line. "Sulphonol" is non-poisonous, and will remain effective throughout the winter. Cannot be applied with sprayer. 1 lb. treats 20 trees. Price: 1 lb. 45c, prepaid.—Not prepaid, 35c per lb.

### COPPER RODENT REPELLENT

Protects fruit trees and shrubbery from rabbits and mice. Costs less than 1c per tree. Rapidly applied by painting or with sprayer. Rabbits will not girdle a tree which is coated with this material.

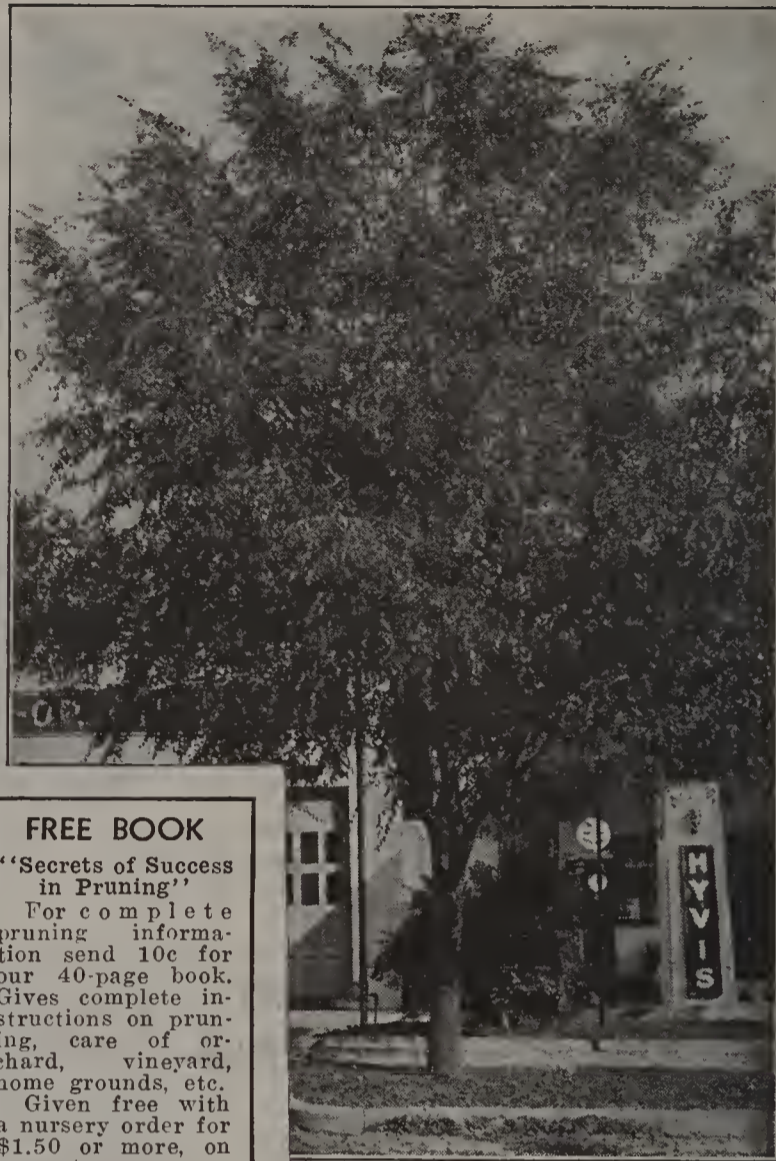
Copper Rodent Repellent is non-poisonous—offers all winter protection. Price: qt. 85c, postage 15c extra, 1 gal. \$2.75 f. o. b. Faribault.

### WHITE ELM TREE PROTECTOR

White Elm Veneer Bands are distasteful to rabbits and rodents. They are easily tied around small trees and offer inexpensive tree insurance. They are shipped flat. Size, 10x20 inches. Price: 50 for 85c, 100 for \$1.50, 1,000 for \$12.00 f. o. b. Faribault.

### DAYTON TREE SAVER

A scientifically prepared plastic compound ready for instant use in repairing damage, healing a wound and keeping out disease. It contains 18 ingredients beneficial to trees, medical oils to heal wounds and non-injurious acids to destroy fungi, insects and worms. It does not shrink but is light in weight, elastic and waterproof. Price: pint 50c, quart 90c, gallon \$2.50, not prepaid.



A 6-Year-Old Chinese Siberian Elm—  
See Pages 36 and 41.

### FREE BOOK

"Secrets of Success  
in Pruning"

For complete pruning information send 10c for our 40-page book. Gives complete instructions on pruning, care of orchard, vineyard, home grounds, etc.

Given free with a nursery order for \$1.50 or more, on request.

## OUR FAIR PLAY GUARANTEE

All of our Nursery Stock carries the Minnesota Inspection Certificate and is guaranteed true to name and in good growing condition. If for any reason you do not find everything just as represented, notify us at once and we will order shipment returned, refund your money, or replace the items without charge.

Any tree or plant that dies the first growing season we will replace at half the catalog price, the following spring, if loss is reported by October 15th following date of purchase.

We cannot be responsible for losses other than the above.

## Postage Required on Nursery Orders

Trees up to 4-5 ft. can go by parcels post. Larger sizes by express. Rates given are to 3rd zone—or 300 miles. Larger Nursery orders are shipped by express or freight, and shipping charges can be paid when you receive the goods.

### ALL FRUIT AND SHADE TREES.

Postage on	1	3	5	10
2-3 ft....	13c	19c	25c	33c
3-4 ft....	15c	21c	28c	37c
4-5 ft....	16c	22c	29c	41c

Weights for Express Shipments.

	Lbs.	Lbs.	Lbs.	Lbs.
5-6 ft....	5	8	12	23
5-7 ft....	5½	9	13	25

### EVERGREENS.

Not Balled and Burlapped.

Postage on	1	3
12-18 in....	17c	25c
18-24 in....	23c	37c
2-3 ft....	35c	57c

Balled and Burlapped.

12-18 in...	By express, wt. 50 lbs.
18-24 in...	By express, wt. 60 lbs.
2-3 ft....	By express, wt. 70 lbs.
3-4 ft....	By express, wt. 80 lbs.

Larger Sizes or Larger Quantities by Express.

### RASPBERRIES.

Postage on	25	50	100
Heavy .....	16c	19c	30c
Standard .....	13c	15c	20c

1,000 by exp. or frt., wt. 100 lbs.

### GRAPES, CURRANTS, GOOSE-BERRIES

Postage on	5	10	25
Heavy .....	14c	17c	35c
Standard .....	13c	15c	31c

### SHRUBS.

Postage on	1	3	5	10
2-3 ft....	13c	21c	27c	43c
3-4 ft....	19c	33c	47c	77c

### WINDBREAK TREES.

Postage on	10	50	100
6-12 in....	11c	13c	16c
12-18 in...	12c	14c	19c
18-24 in...	13c	20c	35c

2-3 ft.—6 trees 13c

# GRAPES

## A Sure Crop

They grow and thrive everywhere. Vines trained and pruned in late fall, will bear abundantly year after year.

### Fredonia

#### New, Hardy Black Grape

The earliest good large berried grape for the Northwest. Vines are vigorous and productive and ripen their fruit three weeks earlier than Concord. Clusters are of medium size, very compact and berries large and round. Skin thick and tough; flesh is juicy and the flavor excellent. This grape offers a great opportunity for market or home use.

Price, Standard Grade: 3 for 85c, 5 for \$1.10, 10 for \$1.95, 25 for \$3.95. Heavy Grade: 3 for \$1.05, 5 for \$1.35, 10 for \$2.35, 25 for \$4.95, not prepaid. Illustration, page 43.

### Beta

#### As Hardy as the Wild Grape

Produces heavy crops every year. The fruit is of medium size, black, good quality, ripens early, so can be grown far north. Beta Grapes easily sell at \$2.00 per bushel. There is a good demand for the fruit for jelly and grape juice.

Price, Standard Grade: 3 for 60c, 5 for 75c, 10 for \$1.35, 25 for \$3.15. Heavy Grade: 3 for 75c, 5 for 95c, 10 for \$1.75, 25 for \$3.85, not prepaid.

### Concord

#### The Best All-Purpose Grape

Large purplish black fruit, ripens middle of September. Suited to southern half of Minnesota with winter covering. Price, Standard Grade: 3 for 45c, 5 for 60c, 10 for 90c, 25 for \$1.95. Heavy Grade: 3 for 70c, 5 for 85c, 10 for \$1.20, 25 for \$2.45, not prepaid.

Weight of 5 Grape Plants about 3 lbs.

Postage Schedule on Page 32.

## Currants

### RED LAKE—(Minnesota 24)

Color Illustration Page 42

This Currant is a Minnesota introduction producing big, red berries in long clusters.

The bushes are strong and vigorous with healthy foliage. They bear regularly and produce heavily.

Red Lake makes up into beautiful sparkling bright red jelly, and we predict a wonderful future for it, for either home use or market.

Price, Standard Grade: 3 for \$1.05, 5 for \$1.35, 10 for \$2.25, 25 for \$4.95. Heavy Grade: 3 for \$1.75, 5 for \$2.45, 10 for \$4.45, 25 for \$9.65, not prepaid.

## Gooseberry

### "CARRIE"—The Best Variety

A heavy yielder of good-sized fruit. Perfectly hardy and recommended by Prof. Hansen as foremost in quality and productiveness. Price: Standard Grade plants: 3 for \$1.05, 5 for \$1.35, 10 for \$2.55. Heavy Grade: 3 for \$1.35, 5 for \$1.85, 10 for \$2.95, not prepaid.

#### Please Note—

Currants and Gooseberries may be shipped into any state, except Connecticut, Idaho, Maine, Massachusetts, Michigan, New Hampshire, New York, Rhode Island and Vermont.

# RASPBERRIES

## Juicy and Delicious

OUR PLANTS ARE MINNESOTA GROWN, CERTIFIED AND STATE INSPECTED.

3,000 plants required to set an acre. Rows 5 feet apart—plants 2½ feet apart in row.

### Latham

#### Berries an Inch in Diameter!

See Color Illustration Page 42

The most popular Red Raspberry today, doing well wherever grown. Originated at the Minnesota State Fruit Breeding Farm, it is being grown extensively throughout the Northwest and in Canada, and has never been known to winter-kill. A strong, vigorous grower, outyielding all other red varieties, the berries are very large and solid, of a beautiful, clear pink color. They are delicious eaten fresh and make the finest preserves, jam and sauce.

#### PRICES Not Prepaid

Standard Grade	Heavy Select
25 .....\$ 0.90	25 .....\$ 1.75
50 ..... 1.55	50 ..... 2.25
100 ..... 2.75	100 ..... 4.15
250 ..... 6.35	250 ..... 9.55
500 ..... 9.95	500 ..... 15.35
1,000 ..... 18.85	1,000 ..... 29.50

We can also supply 1 year medium plants for commercial planting as follows: 100 for \$1.95, 250 for \$4.35, 500 for \$7.00, 1,000 for \$13.45.

### Chief

#### Ten Days Earlier Than Latham

Illustrated in Color on Page 43

Another introduction of the Minnesota State Fruit Breeding Farm, and a seedling of the famous Latham. It has all of Latham's good qualities, plus the distinct advantage of ripening 10 days to 2 weeks earlier, and is considered even harder than the Latham. We advise planting both Chief and Latham for continuous fruit production.

#### PRICES Not Prepaid

Standard Grade	Heavy Select
25 .....\$ 0.80	25 .....\$ 1.55
50 ..... 1.40	50 ..... 1.95
100 ..... 2.50	100 ..... 3.65
250 ..... 5.65	250 ..... 8.35
500 ..... 8.95	500 ..... 13.85
1,000 ..... 16.85	1,000 ..... 26.55

We can also supply 1 year medium plants for commercial planting as follows: 100 for \$1.80, 250 for \$4.10, 500 for \$6.50, 1,000 for \$12.40.

### Newburgh

#### The New Red Raspberry

Introduced by the New York Experiment Station a few years ago, all indications are that Newburgh will become the leading commercial variety. Extremely hardy and disease-free, the plants are enormously productive. Berries are large and firm, ripening a few days earlier than Latham.

#### PRICES Not Prepaid

Standard Grade	Heavy Select
25 .....\$ 1.50	25 .....\$ 2.65
50 ..... 2.25	50 ..... 4.65
100 ..... 3.95	100 ..... 6.85
250 ..... 8.65	250 ..... 15.85
500 ..... 15.00	500 ..... 29.50
1,000 ..... 25.00	1,000 ..... 52.50

Postage Schedule on Page 32

For Berry Baskets See Page 30



BIG RED  
LATHAM

Superb in  
Quality  
and Flavor

## \$500.00 from One Acre Planted to Certified Red Raspberries!

Average yield per acre - 200-300 crates

Average price per crate - \$2.50-\$3.00

### Cumberland

#### Black Cap Raspberry

See Color Illustration Page 42

Most profitable Black Raspberry to grow, produces a big crop year after year and succeeds on all kinds of soils. The berries are extra-large, glossy black, and whether wanted for home use or market, are sure to please.

Price: 2-Year Transplants, 12 for \$1.25, 25 for \$1.95, 50 for \$3.65, 100 for \$6.85.

### Potomac

#### Purple Cap Raspberry

Introduced by the U. S. Department of Agriculture, Potomac is purple in color, the result of a cross between a black Raspberry and a red Raspberry. Vigorous, hardy, productive and disease resistant, it outyields Cumberland, and has berries of larger size and better quality.

Price: 2-Year Transplants, 12 for \$1.45, 25 for \$2.35, 50 for \$4.35, 100 for \$8.15.

## Blackberry

### "ALFRED"—Stands 35° Below Zero

A healthy, vigorous grower, producing a good crop of berries the second season. The berries are twice as large as ordinary Blackberries, many of them 1½ inches long. The ideal table berry, of fine flavor, practically coreless, sweet and delicious, with but few small seeds.

#### PRICES Not Prepaid

Standard Grade	Heavy Select
25 .....\$ 0.98	25 .....\$ 1.95
50 ..... 1.65	50 ..... 3.35
100 ..... 2.95	100 ..... 5.95
250 ..... 6.55	250 ..... 12.65
500 ..... 10.85	500 ..... 19.65
1,000 ..... 19.85	1,000 ..... 38.50

# Newest **HARDY FRUITS** now at **LOWER PRICES**

In spite of rising costs, we offer the choicest Fruit Trees at even lower prices than last year.

These were grown during the past three low cost years.

Save money by planting this season—higher prices are sure to follow, owing to increased production cost.

## The BEST in APPLES

See color illustrations, pages 42 to 43.

**NEW BEACON.** (Minnesota No. 423.) Early, all red eating apple—originated by the Minnesota Fruit Breeding Farm. Ready before Wealthy, Jonathan or McIntosh. Prof. Alderman says this apple ripening but a few days later than Duchess will keep a month after harvest and is the earliest real quality eating apple. It is highly colored, and solid red. These apples brought about \$2.00 per bushel on the Minneapolis market when the Duchess were selling at 75c. Hardy, and very productive.

Price: 2-3 ft. trees 60c each, 3 trees \$1.40, 10 trees \$3.85; 3-4 ft. trees 65c each, 3 trees \$1.50, 10 trees \$4.30; 4-6 ft. trees 90c each, 3 trees \$2.45, 10 trees \$7.35. Not prepaid.

**CORTLAND.** (Improved McIntosh.) This new apple is smashing its way into front page popularity. Its bright red color and top notch quality makes it a favorite of the late fall apples. Flavor is delicious. They are easy to grow and hang long on the trees.

Price: 2-3 ft. trees 40c each, 3 trees 95c, 10 trees \$2.85; 3-4 ft. trees 45c each, 3 trees \$1.05, 10 trees \$3.30; 4-6 ft. trees 70c each, 3 trees \$2.00, 10 trees \$6.35. Not prepaid.

**THE BIG RED HARALSON APPLE**—The prize origination of the Minnesota Experiment Station. No finer red winter apple has ever been introduced. The outstanding feature of the Haralson is its keeping quality—keeping in perfect condition until late spring. The Haralson is free from blight and best of all, has the tendency to bear early. Haralson produces a good size, deep red apple of excellent flavor. Prices: See below.

**ANOKA—THE SURPRISE APPLE**—A real quality apple, early to ripen, of fine color and excellent flavor. This sturdy little tree bears the second year, and each year thereafter, resisting blight and producing a consistent crop of fruit. It is well suited for the Northwest. A one-year-old tree at the Fargo Agricultural Experiment Station bore 26 good apples the second year. Prices: 2-3 ft. and 3-4 ft. trees only—See below.

**McINTOSH RED**—This variety has come into rapid favor as one of the most important fall and early winter varieties. Large orchards are being set out with McIntosh Red predominating. An exceptionally fine eating apple, of good size, bright red color, and a delicious aromatic flavor. Season, January. Prices, see below.

**NORTHWESTERN GREENING**—The fruit is very large, smooth, handsome, turning yellow as it matures. This is one of the best baking and cooking apples for late winter and spring. Season, December to March. Prices, see below.

**WEALTHY**—The leading apple for its season throughout the Northwest. The fruit is large, a beautiful shade of deep red, and the flavor excellent. It is one of the best eating apples that can be grown in the Northwest. A good keeper and heavy yielder. Prices, see below.

**DOUBLE RED DUCHESS**—A new improvement. Possesses all the good qualities of the Old Duchess including the early ripening, hardiness, and heavy regular bearing. In addition, it has **HIGH RED COLOR.** This outstanding red color makes Double Red Duchess a favorite, and brings 50c to \$1.00 a basket more. Prices: See below.

**DOLGO, THE LAWN TREE CRAB**—Has rare beauty as an ornamental lawn tree. It is not subject to blight as were the old varieties and is perfectly hardy. Bears an abundance of fruit and no long wait, for young baby trees have been known to bear fruit the third season. The apple itself is a very rich red and jells perfectly even when dead ripe. A fine canning crab. Price: 2-3 ft. trees, 45c each, 3 for \$1.10, 10 for \$3.35; 3-4 ft. trees, 50c each, 3 for \$1.20, 10 for \$3.80; 4-6 ft. trees, 75c each, 3 for \$2.15, 10 for \$6.85. Not prepaid.

**WHITNEY CRAB**—This well-known favorite hardly needs description. A favorite in the home for canning and preserving. Fruit is of good size—very highly colored—free bearer, producing immense crops. Price: 2-3 ft. trees, 45c each, 3 for \$1.10, 10 for \$3.35; 3-4 ft. trees, 50c each, 3 for \$1.20, 10 for \$3.80; 4-6 ft. trees, 75c each, 3 for \$2.15, 10 for \$6.85.

**YELLOW TRANSPARENT APPLE**—No orchard should be without these delicious golden yellow apples. Good to eat long before other sorts are ready. Fruit large, yellow with crisp meat and delicious flavor. Prices, see below.



**HARALSON**—The big red winter apple.

Northwest Fruit Growers have great profit opportunities with these Exceptional New Apples and Plums.

## NEW JUMBO PLUMS

See Color Illustrations, Pages 42-43

**NEW EMBER**—(Minnesota No. 83.) A new origination of the Minnesota Fruit Breeding Farm. Minnesota No. 83 is a late plum of good size and has exceptionally fine dessert and canning qualities. It is yellow with attractive red blush. It hangs to the tree to full maturity, and will keep in good condition for two or three weeks. Price: 2-3 ft. trees, 60c each, 3 for \$1.45, 10 for \$3.85; 3-4 ft. trees, 70c each, 3 for \$1.65, 10 for \$4.85; 4-6 ft. trees, 80c each, 3 for \$1.95, 10 for \$5.85. Not ppd.

**SUPERIOR.** (Minnesota No. 194.) A wonderful new hardy Plum originated at the State Fruit Breeding Farm by crossing big California Burbank varieties. It is as large as California plums, surpassing them in quality and hardiness. It has a firm flesh, a beautiful red color and peels like a peach. Prices, see below.

**WANETA.** (Prof. Hansen's Masterpiece.) Considered the outstanding plum for its immense size, beautiful color and small pits. Trees are very hardy and produce heavy crops, bearing the second year after planting. See Jubilee Offers, page 4. Price: 3-4 ft. and 4-6 ft. trees only—see below.

**OPATA.** (Delicious Blue Plum.) Bears heavily on very young trees, frequently the second year. Tender juicy flesh, small pits and heavy crop make Opata most popular. See special Jubilee Offer, page 4.

Price: 3-4 ft. and 4-6 ft. trees only—see below.

**KAGA**—An outstanding canning plum, originated by Prof. Hansen of the S. D. Agricultural College. Has a distinct delicious flavor, and is sometimes called the apricot plum. For canning or jam it is unsurpassed, though smaller in size than Underwood and Superior. It is also indispensable as a pollinator. Prices, see below.

**UNDERWOOD**—The best known of the many plums originated at the Minnesota Fruit Breeding Farm. Bears annually, is of large size and excellent flavor; flesh firm, small pit. It may be readily peeled for canning. Underwood and Surprise should be planted close together to insure setting of fruit. Prices, see below.

**SURPRISE**—A sweet juicy plum, excellent to eat. Surprise is also an efficient pollinator for Jumbo plums or for any common plums. Price: 3-4 ft. trees 55c each, 3 for \$1.35, 10 for \$4.35; 4-6 ft. trees 65c each, 3 for \$1.65, 10 for \$5.35. Not prepaid.

FOR MAILING COSTS—See Page 32. ADD 15c for PACKING IF ORDER IS LESS THAN 60c

Add 15c  
for Packing on  
Orders Less than 60c.

### PRICES- Apple Trees

All above apple trees except those especially quoted above:			
F. O. B. Faribault	Each	3	10
Size 2-3 ft.....	\$0.35	\$0.80	\$2.35
Size 3-4 ft.....	.40	.90	2.80
Size 4-6 ft.....	.65	1.85	5.85

### PRICES- Plum Trees

Prices Not Ppd.  
For Postage  
Required See Page 32.

All above plum trees except those especially quoted above:			
F. O. B. Faribault	Each	3	10
Size 2-3 ft.....	\$0.35	\$0.85	\$2.35
Size 3-4 ft.....	.45	1.05	3.35
Size 4-6 ft.....	.55	1.35	4.35

# Cherries

## Hardy Minnesota Grown

(See illustration on page 42)

Enjoy ripe cherries from your own trees. Eat them fresh—make delicious jams and preserves, and can them as sauce. You don't have to wait a long time for these trees to bear. Under ordinary conditions they will begin to fruit the second season, with increasing quantities thereafter.

### SAPA CHERRY

Its beautiful wine-red color, excellent quality and delicious flavor have made Sapa the most popular cherry for northwest fruit farms. It is a large sized hybrid cherry with small pit. Thin skinned, purple-red outside, with rich dark wine-colored flesh.

Sapa should be grown in bush form and pruned severely to encourage growth of new shoots that will fruit heavily and regularly. The Compass Pollinator Cherry listed below should be included in every Sapa planting. Prices at right.

### OKA CHERRY

A fine hardy hybrid cherry, with skin and flesh a rich purple-red color. The meat is firm, juicy and of superb flavor. The trees are immensely productive and fruit regularly. Should be grown in bush form as suggested for Sapa. For best results plant with Compass Pollinator Cherry. 2-3 ft. and 3-4 ft. trees only. See prices at right.

### COMPASS CHERRY

*Indispensable as a Pollinator*

Hardy throughout the Northwest and Canada. Fruit is black, of medium size and good quality. Makes delicious pies, preserves, etc. Prices at right.

Plant a Compass Pollinator to every 8 or 10 trees of Sapa and Oka.



Parker Pears in Our Nursery.

### PRICES

#### Of Cherries and Pears

CHERRIES	Size	Each	3	10
All	2-3 ft.	35c	\$0.85	\$2.35
Varieties	3-4 ft.	45c	1.05	3.35
	4-6 ft.	55c	1.35	4.35
PEARS	Size	Each	3	10
All	2-3 ft.	45c	1.15	3.35
Varieties	3-4 ft.	55c	1.35	4.35
	4-6 ft.	80c	2.20	6.85

Postage Schedule on page 32.

# Pears

## Vigorous and Cold Resistant

(See illustration on page 42)

Delicious pears can now be successfully grown in the Northwest. The new varieties listed below are the result of years of persistent effort to develop pears for the northern territory. The result is a fruit that compares in size, flavor and productivity with those of the chief fruit-growing states.

### PARKER PEAR

(Minnesota No. 1)

Introduced by the Minnesota State Fruit Farm, this splendid pear has been well tested in different parts of the state, and is now recommended for general planting in the southern half of Minnesota and similar latitudes. The fruit is medium to large, with smooth medium thick skin; color, yellow-bronze with faint blush. Flesh is fine-grained, tender, sweet and juicy. Fruit ripens in early September. Prices at left.

### PATTEN PEAR

Originated by Chas. Patten a number of years ago, this pear has been thoroughly tested and is now recommended for planting in southern Minnesota and suggested for trial in favorable locations farther North. The fruit is of good size, resembles Bartlett in form and color; very tender, juicy and of good quality. Season September. Prices at left.

### TAIT PEAR

Hardest of all pears, the Tait was originated in Ontario, Canada, and has endured temperatures of 40 degrees below zero, according to the originator, Mr. Tait. It is resistant to blight; the fruit is yellow, of medium size and good quality. The tree is a fine upright grower and very productive. Prices at left.

# Hardy Hedge Plants

*For a fence that is friendly, ornamental and permanent.*

### POSTAGE REQUIRED

Size 12-18 in.	Size 18-24 in.
11c for 10 plants	13c for 10 plants
20c for 50 plants	25c for 50 plants
25c for 100 plants	35c for 100 plants

### CHINESE HEDGEWOOD

Extremely hardy, drought resistant and a quick, compact grower. Covered with small, bright green foliage from early spring until late fall. Forms a dense screen. Can be grown to any height desired.

Price, not prepaid:	10	50	100
12-18 in.	\$0.50	\$1.85	\$3.35
18-24 in.	.75	2.55	4.65
2-3 ft.	.95	3.85	7.65

### JAPANESE BARBERRY

Thunbergi. Makes a neat, low boundary. Can be trimmed or grown naturally. Foliage turns to brilliant crimson in fall; branches are covered with scarlet berries.

Price, 15-18 in.: 10 for 95c, 50 for \$3.65, 100 for 6.55; 18-24 in.: 10 for \$1.45, 50 for \$5.35, 100 for \$9.65, not prepaid.

### BUCKTHORN

A very hardy and dense tight ornamental hedge. Properly sheared will give a very formal effect.

Price, 12-18 in.: 10 for 85c, 50 for \$2.65, 100 for \$5.15, not prepaid.

### CARAGANA

Numerous twiggy branches, covered with bright green fern-like leaves. A supreme hedge plant for severe climates, poor soil and dry locations. Can be pruned to any desired height.

Price, 18-24 in.: 10 for 75c, 50 for \$1.75, 100 for \$3.00; 2-3 ft.: 10 for 85c, 50 for \$2.00, 100 for \$3.75, not prepaid.

### SPIREA VAN HOUTTEI

Bridal Wreath. Most popular flowering hedge. The graceful, drooping sprays are ideal for growing untrimmed.

Price, 12-18 in.: 10 for \$1.20, 50 for \$4.45, 100 for \$7.65; 18-24 in.: 10 for \$1.75, 50 for \$5.85, 100 for \$9.85, not prepaid.

### RUSSIAN OLIVE

Foliage of beautiful silver gray. Makes a beautiful tall screen hedge. Extremely hardy and drought-resistant.

Price, 12-18 in.: 10 for 85c, 50 for \$2.65, 100 for \$5.15, not prepaid.



Japanese Barberry—the Ideal Shrub for a Low Hedge.

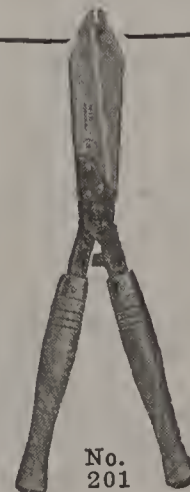
## Standard Hedge Shears

*To Remove Old Wood and to Keep Hedges and Shrubs Shapely and Trim.*

Wide beveled blades, ground and polished. Tangs natural finish, bright steel ferrules, case hardened bolt and nuts with lock washer. Mahogany finish—8-inch blades.

Price \$ **1.35** ppd.

No. 201



Chinese Hedgewood is dense, bushy and compact.

# HARDY SHADE AND ORNAMENTAL TREES

## AT DIRECT FROM GROWER PRICES

**BIRCH, WEeping CUT LEAF**—Beautiful cut leaf, drooping foliage. A fast grower and very showy with its white bark.  
Price: 5-6 ft. \$2.85 each, 2 for \$5.35; 6-8 ft. \$3.35 each, 2 for \$6.25, not prepaid.

**BIRCH, WHITE**—A graceful tree with white bark—very desirable as a lawn tree.  
Price: 5-6 ft. \$1.25 each, 2 for \$2.35; 6-8 ft. \$1.45 each, 2 for \$2.75, not prepaid.

**CRAB, HOPA**—An outstanding ornamental tree producing fire red fruit, especially valuable for jells. The foliage is beautiful and red in the early stages. Flowers appear in immense clusters covering the entire tree—very fragrant.  
Price: 3-4 ft. \$1.00 each, 2 for \$1.90; 4-5 ft. \$1.50 each, 2 for \$2.85, not prepaid.

**CRAB, DOLGO**—See Apples, page 34.

**CRAB, RED SILVER FLOWERING**—A flowering lawn tree. Produces profuse red blooms, followed by maroon red fruit which hangs on late into the winter.  
Price: 3-4 ft. \$1.00 each, 2 for \$1.90; 4-5 ft. \$1.50 each, 2 for \$2.85, not prepaid.

**ELM, AMERICAN**—The most popular of hardy native trees. Grows very tall, graceful and spreading, with drooping foliage. Always a favorite shade tree. Transplanted trees.

	Standard Grade			Heavy Grade		
	Each	2 Trees	10 Trees	Each	2 Trees	10 Trees
4-5 ft.....		\$0.70	\$2.95	....	....	....
5-6 ft.....	\$0.50	.90	3.95	....	....	....
6-8 ft.....	.75	1.40	5.95	\$1.00	\$1.85	\$ 8.00
8-10 ft.....	1.25	2.40	9.85	1.50	2.95	12.00

**ELM, CHINESE SIBERIAN**—The fastest growing, most satisfactory shade, ornamental or windbreak tree. It is very hardy and its resistance to drought, alkali and extremes of temperature render it especially valuable. The Chinese Elm is adapted to any part of the United States, and will grow to a height of 60 feet, attaining a girth of 12 feet. Luxurious shade may be enjoyed in just a few years and some specimens have reached a height of 23 to 25 feet in four years, with a spread of 18 feet. (See illustration, page 41.)  
Price: 2-3 ft., Baby Shade Trees, 8 for \$1.00, prepaid.

	Standard Grade			Heavy Grade		
	Each	2 Trees	10 Trees	Each	2 Trees	10 Trees
3-4 ft.....		\$0.50	\$2.00	....	\$0.70	\$ 2.95
4-5 ft.....		.70	2.95	....	.95	4.45
5-6 ft.....	\$0.55	1.00	4.45	\$0.75	1.35	6.35
6-8 ft.....	.95	1.80	8.45	1.50	2.85	13.00

**HONEY LOCUST (THORNLESS)**—A beautiful tree with delicate foliage. Very fragrant flowers followed by bean-like pods. Trees sturdy and drought resistant.

Price: 4-5 ft. \$0.40 each, 2 for \$0.70; 5-6 ft. \$0.75 each, 2 for \$1.40, not prepaid.

**MAPLE, HARD OR SUGAR**—The King of Maples—straight, spreading, symmetrical in form. A fast grower—attaining immense size—frequently 100 ft. tall. Beautiful foliage, especially in autumn when leaves turn to clear yellow and scarlet.

Price: 4-5 ft. 60c each, 2 for \$1.00; 5-6 ft. 85c each, 2 for \$1.60, not prepaid.

**MAPLE, SILVER OR SOFT**—Because of its quick growth and good foliage, this tree is in big demand. The leaves appear early in spring, are bright green in color with the lower side silvery. Good for quick effect.

Price: 5-6 ft. \$0.95 each, 2 for \$1.80, not prepaid.

**MOUNTAIN ASH, EUROPEAN**—Very fine for lawn planting and exceptionally showy with its large clusters of bright orange berries in autumn. Beautiful dark green foliage, well shaped and very ornamental.

Price: 4-5 ft. \$0.95 each, 2 for \$1.80; 5-6 ft. \$1.50 each, 2 for \$2.80, not prepaid.

**POPLAR, LOMBARDY**—Very picturesque, tall growing tree. Used extensively for landscape effect, also in screen planting. Rapid grower.

	Standard Grade			Heavy Grade		
	Each	2 Trees	10 Trees	Each	2 Trees	10 Trees
5-6 ft.....		\$0.75	\$3.20	\$0.75	\$1.40	\$5.95
6-8 ft.....	\$0.60	1.10	4.85	1.25	2.40	9.85

Not prepaid.

**WALNUT, BLACK**—A sturdy, long-lived, dependable shade tree that combines beauty with usefulness. The nuts from these trees are highly prized, especially for cakes and candies. A group of our Native Black Walnut Trees should be on every farm.

Price: 2-3 ft. 25c each, 2 for 45c; 3-4 ft. 35c each, 2 for 65c, not prepaid.

**WILLOW, GOLDEN WEEPING**—(Niobe.) A golden-barked tree with graceful, drooping branches. The hardiest and most beautiful of all weeping trees.

Price: 5-6 ft. 75c each, 2 for \$1.45; 6-8 ft. \$1.25 each, 2 for \$2.35, not prepaid.

**NORWAY MAPLE**—One of the most beautiful and desirable trees known. Of large size, perfect outline, with deep green foliage, which turns to a pale yellow in autumn. Desirable trees for street, park and garden. The leaves in the spring first appear red, later turning green.

Price: 6-7 ft. \$1.00 each, 2 for \$1.75; 7-8 ft. \$1.45 each, 2 for \$2.45, not prepaid.

**SCHWEDLERI RED MAPLE**—The (Schwedleri) maple's beautiful leaves are attractive at all seasons but are especially fine in spring when the gleaming purple and red leaves contrast brightly with the green of other trees. They turn purplish-green in midsummer and golden yellow in the fall.

Price: 7-8 ft. \$2.25 each, 2 for \$4.35, not prepaid.

**RUSSIAN GOLDEN WILLOW**—Very beautiful golden branches, rapid grower, does well in low locations. Grows more rapidly than the ordinary willow. They make a large tree.

Price: 4-5 ft. 40c each, 2 for 75c; 5-6 ft. 50c each, 2 for 90c, not prepaid.



Lombardy Poplars are excellent for screening and for sky-line effect.

## Plant a Windbreak This Year

The recent drought years have taught important lessons with reference to the planting of windbreak trees.

Green Ash ranks at the head of the list, in its ability to survive in regions of scanty rainfall. Chinese Elm has also demonstrated that it is an outstanding tree in sections too dry for most other trees, and on account of its habit of branching close to the ground it is a good tree for the outer rows of a shelter belt.

It is recommended that Ash and Chinese Elm be alternated either in the row, or that the alternate rows of each be used.

For a low spot, too wet for other trees to thrive, the Laurel Leaf Willow is best suited.

We offer the hardiest recommended varieties for planting in the Northwest, and advise planting two to five or even six rows for real effectiveness. Rows to be 10-12 ft. apart, and the trees 4-5 ft. apart in the rows.

## PRICES—HARDY WINDBREAK TREES

Prices (not prepaid):		Size	10	50	100	500	1,000
Ash, Green (Seedlings)	6-12 in.	....	....	....	....	....	\$ 7.00
	12-18 in.	....	....	\$1.50	\$6.85	11.85	
	18-24 in.	....	....	2.15	8.85	16.65	
Caragana	2-3 ft.	....	....	2.95	12.45	23.85	
	18-24 in.	....	\$1.75	3.00	13.25	24.85	
	2-3 ft.	....	2.00	3.75	17.85	33.65	
Elm, American (S'dl'gs)	12-18 in.	....	....	1.15	5.65	9.85	
	18-24 in.	....	....	1.65	7.35	13.95	
	(Seedlings)	2-3 ft.	....	2.45	10.85	19.35	
Elm, Chinese	Standard	6-12 in.	....	1.25	4.65	6.85	
	Heavy grade	6-12 in.	....	1.75	6.67	9.65	
	Standard	12-18 in.	....	1.65	6.45	9.85	
Extra heavy branched	12-18 in.	....	....	2.30	9.65	14.65	
	Standard	18-24 in.	\$0.50	\$1.50	2.35	10.65	16.65
	Standard	18-24 in.	.65	2.00	3.20	14.85	23.65
Extra heavy branched	2-3 ft.	.65	2.00	3.85	18.85	32.65	
	Standard	2-3 ft.	.85	2.65	4.65	22.85	36.65
	Standard	3-4 ft.	1.25	3.65	5.35	19.85	....
Extra heavy branched	3-4 ft.	1.75	4.65	6.65	29.65	....	
	18-24 in.	.50	1.75	2.55	....	....	
	2-3 ft.	.85	2.35	3.45	....	....	
Olive, Russian	12-18 in.	....	1.95	3.35	....	....	
	4-5 ft.	1.50	6.15	9.35	....	....	
	5-6 ft.	1.65	6.35	9.85	....	....	
See Jubilee Offer, Page 4.							
Laurel Leaf Willow	2-3 ft.	....	1.95	3.25	....	....	
	3-4 ft.	1.00	2.95	4.35	....	....	
	4-5 ft.	1.35	3.85	5.65	....	....	
Willow, Russian Golden	4-5 ft.	.80	2.35	3.35	....	....	
	5-6 ft.	.95	2.85	3.95	....	....	

## Postage Required for Shade and Windbreak Trees

Small size trees can be sent by Parcel Post. See page 32 for postage required. Large size trees or large orders are shipped express or freight. Add 15c for packing on Nursery orders less than 60c.

NO PACKING CHARGE ON LARGER ORDERS!



Attractive Group Planting of Pyramidal Arbor Vitae, Colorado Blue Spruce, Mugho Pine and Juniper.

**SPRUCE, COLORADO MEDIUM BLUE** (*Picea pungens*). A tree developing unusual form—a broad pyramid thickly studded with branches clear to the ground, covered with heavy lustrous foliage of varying tones—sometimes deep green, again touched with silver, while others have a decided blue tinge. A magnificent evergreen, hardy, vigorous and so richly colored that it makes a striking display planted singly or in groups.

We cannot guarantee the exact color, but many of them will develop into very fine blue specimens if given time and good care. These trees were all grown from seed gathered from select Blue Shiners, but do not show blue to any extent until they become 18 to 24 inches high. Well rooted, three times transplanted. Prices: 18 to 24 inches, \$1.65 each, 2 trees for \$3.00. 2 to 3 feet, \$1.95 each, 2 trees for \$3.65. 3 to 4 feet, \$2.50, 2 trees for \$4.50, not prepaid.

**SPRUCE, COLORADO BLUE SHINERS** (*Picea pungens glauca*). The "Extra Blue" trees—trees of magnificent form, as their thick branches climb in even layers from a broad base to a tapering crown, with heavy, lustrous foliage reflecting the most glorious silver and blue tones. Small wonder that this evergreen gets more admiration than any other—that deep in the heart of everyone is the longing to some day own a real Blue Spruce. Well rooted, heavy specimens, three times transplanted. These Shiners are all shipped with ball of earth burlapped on roots. Price: 2 to 2½ feet, \$5.00 each, 2 trees for \$8.85. 2½ to 3 feet, \$5.60 each, 2 trees for \$9.95. 3 to 4 feet, \$8.50 each, 2 trees for \$16.35. All balled and burlapped, not prepaid.

**DWARF MUGHO PINE**—A very hardy, dwarf, bushy and compact tree. Easily controlled by trimming. Will thrive in most any location. Requires but little space and is especially desirable for landscape planting and foreground position. Dark, rich green foliage with long, stiff needles. Twice transplanted. Price: 12 to 15 inches, \$1.25 each, 2 trees for \$2.35, 15 to 18 inches, \$1.50 each, 2 trees for \$2.70, 18-24 inches, \$2.25 each, 2 for \$3.70, not prepaid.

**SAVIN JUNIPER**—Beautiful trailing Juniper—favorite of all landscape planters. Has dark green tufted foliage, covering dense spreading branches—makes a very pleasing finish to foundation group by planting in foreground. Extremely hardy—will grow most anywhere—can be trimmed as desired or left untrimmed—will attain a height of 12-15 feet at maturity. Price: 12 to 18 inches, \$1.50 each, 2 for \$2.65. 18 to 24 inches, \$2.35 each, two for \$4.35, not prepaid.



#### BEST INSURANCE FOR EVERGREENS

This new repellent is guaranteed to be the most effective and efficient spray of its kind on the market. Especially prepared for use in gardens where one is bothered by dogs and other animals. It is non-poisonous and guaranteed not to injure dogs, plants or others coming in contact with it. Only a solution having a disagreeable odor offensive to animals with a keen sense of smell. Applied with a small hand sprayer and lasts several weeks. Indispensable around the home and garden. Household size: 39c, prepaid.

## CHOICE SPECIMEN EVERGREENS

Modern plantings nearly all include Evergreens. A group of fine Evergreens will greatly enhance the value of any property.

Plants not marked B. B. may be had with ball of earth for 50c each, additional. Prices quoted are not prepaid.

**AMERICAN ARBOR VITAE**—One of the most valuable native Evergreens that is very easy to grow. Will thrive in most any situation—is suitable for ornamental planting, hedging or windbreak. Develops a compact, graceful pyramid. Can be easily controlled by trimming. Price: Specimen stock, three times transplanted. 2 to 3 feet, heavy trimmed specimens, \$1.15 each, 2 trees for \$2.00, 3-4 feet, \$1.80 each, 2 for \$3.25, not prepaid.

**PYRAMIDAL ARBOR VITAE**—The outstanding dwarf ornamental Evergreen for home planting. Can be used close to the house or walk. Most effective in groups or pairs when used for ornamental planting. Grows compact and is of natural pyramidal form. Three times transplanted trees. Price: 24 to 30 inches, \$1.85 each, 2 trees for \$3.45. 30 to 36 inches, \$2.45 each, 2 trees for \$4.65. 3-4 ft., \$2.75 each, 2 for \$5.20, not prepaid.

**SILVER JUNIPER**—Forms a narrow compact symmetrical pyramid of light silver—so decorative, especially for entrance planting, or rounding out the corners of a foundation group. Can be trimmed as desired and will attain a height of 12 to 15 feet at maturity if untrimmed. Considered one of the foremost Evergreens in landscape planting. Price: 2½-3 ft., \$2.75 each—two for \$5.25. Size 3-4 feet, \$3.25 each—two for \$6.35, not prepaid.

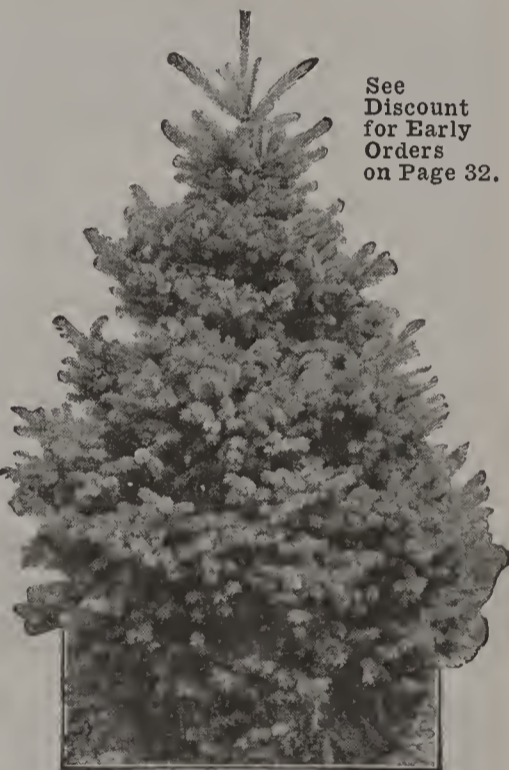
#### BLACK HILLS SPRUCE

—The living Christmas Tree. Extensively used for landscape planting, also for windbreak. Belongs to the White Spruce family; grows very bushy, compact and symmetrical. Has unusually thick foliage, and is easy to grow. Choice specimen trees with a well-developed root system, twice transplanted. Price: 12 to 15 inches, 40c each, 2 for 75c. 15 to 20 inches, 60c each, 2 for \$1.00. 2 to 3 feet, \$1.75 each, 2 trees for \$3.20, 3 to 4 feet, \$2.50 each, 2 trees for \$4.50, not prepaid.

Personally selected Evergreens in the field—at somewhat higher prices, and will be quoted when selected.

#### POSTAGE ON EVERGREENS

Small size Evergreens, not balled and burlapped, can be sent Parcel Post. See Page 32 for Postage required. Heavy shipments sent express or freight.



See Discount for Early Orders on Page 32.

Black Hills Spruce.

## EVERGREEN WINDBREAKS

At these low prices everyone can afford an Evergreen Windbreak. Plant them for year 'round protection.

The distance apart to plant depends on the number of rows to be used. We advise 8 ft. apart if a single row; 10 ft. apart each way if a double row; 14 ft. apart each way if three rows.

Space between rows can be used for potatoes or garden for several years. Seedlings and small transplants should be planted in a garden spot where they can be given extra care the first two years, then transplanted to their permanent position.

#### COLORADO BLUE SPRUCE

	10	25	50	100
2-year seedlings, 4-6 in.....	\$1.65	\$ 2.95	\$ 4.85	
3-year seedlings, 6-8 in.....	1.95	3.35	5.65	
4-year transplants, 10-12 in.....	\$4.45	7.85	11.65	19.25
5-year transplants, 12-18 in.....	5.15	9.85	14.65	24.85

These transplanted trees are fine trees, branched and well rooted.

#### PONDEROSA PINE SEEDLINGS

2-year seedlings, 4-8 in.....	\$1.35	\$2.25	\$3.65
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Postage—If desired by mail, add 10c per order for seedlings; for transplants, add 18c for 10; 25c for 25; 40c for 50; 75c for 100.

#### Illinois Extension Service Says

"Heating requirements in a house unprotected by trees are tripled when cold winds reach a velocity of 20 miles per hour."

Cut your heating cost by planting a windbreak this spring.

Pink Radiance—  
a glowing  
carmine-pink.



## RUGOSA ROSES

**AMELIA GRAVEREAUX.** Double fragrant flowers of bright cerise-red. One of the finest Hybrid Rugosas.

**BELLE POITEVINE.** Queen of the pinks. Clusters of double magenta-pink roses over a long season.

**F. J. GROOTENDORST.** Produces full clusters of small semi-double roses of a bright crimson; resembles the Crimson Baby Rambler. Always in bloom.

**HANSA.** Large double fragrant flowers of a rich wine-red color. Handsome dark green foliage. Of sturdy growth, with long blooming season.

**SIR THOMAS LIPTON.** Fragrant, double white blooms in clusters. Early and free flowering.

**Rose Arbor Collection**  
Climbing Roses—your  
choice of any of the varieties  
listed below. **\$1.45**  
Postage extra, 25c.

## CLIMBING ROSES

**CRIMSON RAMBLER.** Large clusters of bright crimson miniature roses in June.

**DOROTHY PERKINS.** Soft shell-pink, flowering profusely in large clusters. Very fragrant and lasting.

**FLOWER OF FAIRFIELD.** Also known as the "Everblooming Crimson Rambler." Bears large clusters of beautiful crimson blooms.

**GARDENIA.** Early. Yellow. Of vigorous growth and splendid foliage. Bright yellow buds open to creamy white flowers, delightfully fragrant. Blooms better on old wood.

**PAUL'S SCARLET CLIMBER.** Most brilliant of all roses. Color, a vivid scarlet; flowers semi-double, produced in clusters on much-branched canes. Illustrated in color on page 41.

**TAUSENDSCHOEN (Thousand Beauties).** Delicate soft pink buds deepening to carmine as they open. Flowers are borne 10-15 in a cluster.

### Prices of Climbing Roses

Two for 60c; Four for \$1.10.

For Postage add 13c for 2; 19c for 4 plants.

# Roses for Fragrance, Beauty and Continuous Bloom

WE offer a select assortment of the Better Roses for outdoor planting. Vigorous and free flowering, they have proven worthy under many different climatic conditions and are absolutely hardy and dependable. Enjoy them this summer in your garden.

## SPECIAL ROSE VARIETIES

**FRAU KARL DRUSCHKE.** Hybrid Perpetual. This is the ideal hardy white rose. The snow-white, long buds are shaded pink, and open to immense, perfectly double flowers, often 4 inches across. Pure in color, perfect in form, strong grower and remarkably free flowering.

**GENERAL JACQUEMINOT.** Hybrid Perpetual. Scarlet-crimson buds, opening to clear red flowers of moderate size and excellent shape. The standard red for years. Extremely hardy.

**GRUSS AN TEPLITZ.** Hybrid Tea. Color, richest scarlet, shading to velvety crimson. Very fragrant. A free, strong grower and continuous bloomer. An ideal garden rose succeeding under the most ordinary conditions.

**PINK RADIANCE.** Hybrid Tea. A brilliant carmine-pink with salmon-pink and yellow shadings at base of petals. Of vigorous heavy growth, producing its large, double flowers when many other varieties fail. See color illustration and special rose collection offer on page 41.

### PRICES OF ABOVE ROSES

Strong 2-yr. field grown plants, Two for 70c;  
Four for \$1.30; Ten for \$2.90.

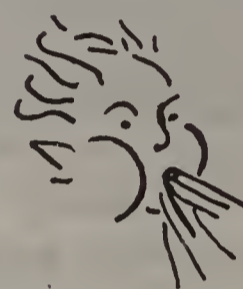
Postage 13c for 2; 19c for 4; 25c for 6;  
31c for 10 plants.

Insecticides for controlling aphids or lice  
on Roses are described on page 77.

**RED RADIANCE.** Hybrid Tea. Large, globular double blooms of a clear brilliant red. A vigorous grower, with heavy canes and healthy foliage. One of the most dependable roses as it always blooms regardless of weather conditions.

**TALISMAN.** Hybrid Tea. Brilliant red and gold buds opening to well-shaped blooms of scarlet-orange and rich yellow. The finest of all garden roses for cutting. Constantly in bloom. The plant is strong and vigorous with healthy disease-resistant foliage.

### WINTER CARE OF ROSES



Before the ground freezes in fall, mound the earth up around the stems of all Bush Roses to a height of 12 inches. Wrap the tops well with leaves and burlap.

Lay canes of Climbing Roses on the ground, and cover with 6 inches of earth and straw or leaves. Do not remove covering until all danger of freezing is past in spring.

**Hardy Rose Collection**  
Your choice of any six  
Roses listed above. **\$1.85**  
Postage extra, 25c.

## Ornamental VINES

**BITTERSWEET (Celastrus scandens).** Rapid-growing, native climber, with glossy foliage; bears orange-crimson berries in fall. 2-yr. vines, 35c each; 3 vines for 95c.

**CLEMATIS JACKMANI.** The popular large-flowering clematis with gorgeous flowers of velvety purple-violet. Produces its flowers on new wood growth and must be cut back severely each spring. Requires winter protection. 2-yr. vines, 75c each; 2 vines for \$1.25.

**CLEMATIS PANICULATA.** Excellent flowering vine for covering porches and arbors. In late summer it forms a dense sheet of fragrant, white starry flowers. 2-yr. vines, 45c each; 2 vines for 78c.

**MATRIMONY VINE (Lycium chinensis).** A good trailer to cover steep slopes and terraces. Large red berries follow the bright purple flowers. 2-yr. vines, 25c each; 5 vines for \$1.00.

**SCARLET TRUMPET HONEYSUCKLE.** Handsome twining vine which can be used to cover fences, embankments or lattices. Produces a steady succession of bright scarlet, tubular flowers. 2-yr. vines, 45c each; 2 vines for 78c.

### For Postage and Insurance on Vines ADD

11c for one 13c for two  
15c for three 17c for four 19c for five



**ENGELMAN'S IVY (Ampelopsis engelmanni).** Produces dense, clean foliage which turns to intense scarlet in fall. Clings without support to stone, brick or stucco. Absolutely hardy; withstands heat and drought. 2-yr. vines, 30c each; 4 vines for \$1.00, not prepaid.

# Gorgeous PEONIES



Peonies in Bloom at Our Trial Gardens.

**P**EAONIES are easily grown from roots and the plants when once established, are practically everlasting. They require a sunny position and good garden soil.

*Ask for our Leaflet on Peony Culture.*

## Pink Shades

**ALBERT CROUSSE** (Late). Soft shell-pink. Very large; fragrant. Each 60c, prepaid.

**CLAIRE DUBOIS** (Late). Immense flowers of satiny flesh-pink. Each 65c, prepaid.

**EDULIS SUPERBA** (Early). Beautiful deep rose pink. Opens for Decoration Day here in Minnesota. Each 50c, prepaid.

**MARTHA BULLOCK** (Late). One of the largest and finest of all peonies. Rose-pink, with an exquisite rose fragrance. Each 75c, prepaid.

**REINE HORTENSE** (Late Midseason). Uniform hydrangea-pink flecked with crimson. Truly a wonderful flower. Each 65c, prepaid.

**SARAH BERNHARDT** (Late). Lovely apple-blossom pink, with each petal silver tipped. Very large and fragrant. Each 60c, prepaid.

## Red Shades

**CHARLES McKELLIP** (Late). Most perfect in form of all the deep red varieties. Each 65c, prepaid.

**FELIX CROUSSE** (Late). A deep, velvety rose-red. Each 50c, prepaid.

**KARL ROSENFELD** (Early Midseason). A rich, brilliant shade of pure deep crimson. Each 65c, prepaid.

**LONGFELLOW** (Early Midseason). Bright crimson. Distinct and fadeless. Each 60c, prepaid.

## White Shades

**BARONESS SCHROEDER** (Midseason). Opens a delicate blush-pink, changing to milky white as the flower develops. Each 65c, prepaid.

**FESTIVA MAXIMA** (Early). A splendid white; center petals flecked with crimson. Each 50c, prepaid.

## PEONY SUPPORTS

Peonies heavy with blooms deserve a good support. We list what we consider the best peony support on the market. Made of heavy gauge galvanized wire that will not rust. After the blooming season, they may be removed and used in the flower or vegetable garden.

See illustration and prices on page 27.

### Long Season Peony Collection

One of Each  
Claire Dubois.  
Festiva Maxima.  
Karl Rosenfeld.  
**\$1<sup>50</sup>**  
ppd.  
(Value \$1.80)

### Superb Prize Peony Collection

One of Each  
Baroness Schroeder.  
Longfellow.  
Martha Bullock.  
**\$1<sup>75</sup>**  
ppd.  
(Value \$2.00)

# FRENCH Lilacs

**CHARLES JOLY.** Double. Deep wine-red. The large trusses are held erect, well above the foliage. 2-yr. plants 45c, 3-yr. plants 95c, not prepaid.

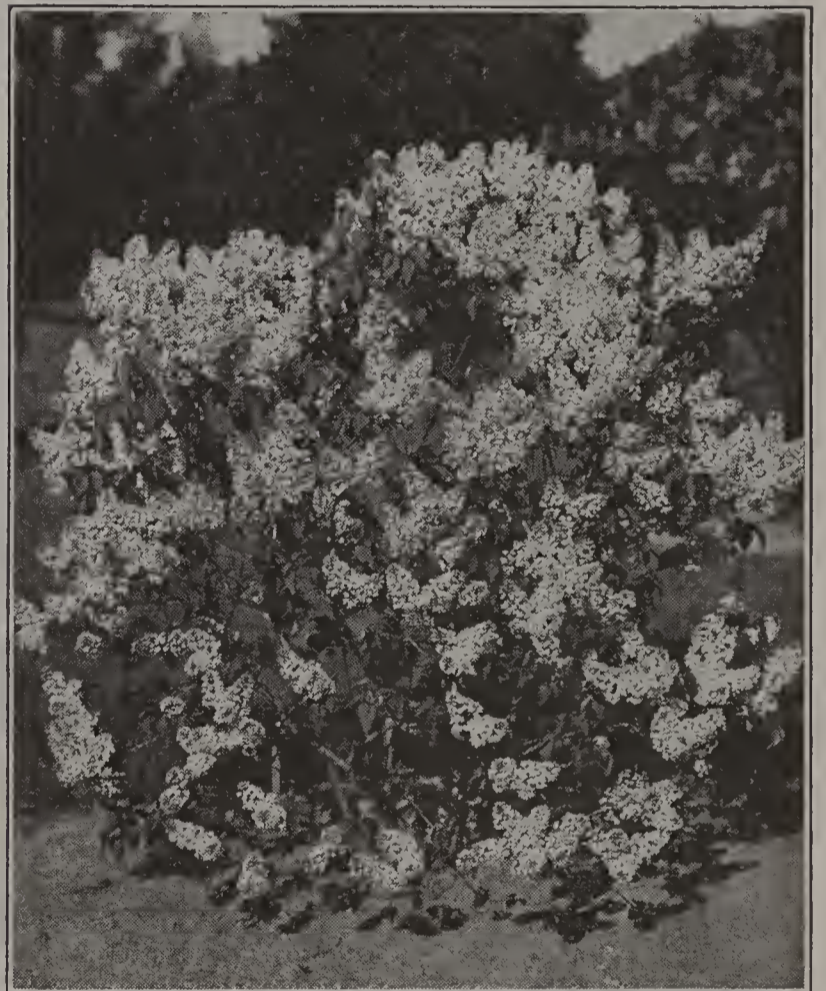
**LUDWIG SPAETH.** Single. Color dark reddish-purple, intense and brilliant. Long narrow panicles. 2-yr. plants 45c, 3-yr. plants 95c, not prepaid.

**MADAME LEMOINE.** Double. Pure white, without a tinge of cream. Panicles large, long, erect. 2-yr. plants 45c, 3-yr. plants 95c, not prepaid.

**PRESIDENT GREVY.** Double. Clear delicate light blue. Immense panicles, very symmetrical. 2-yr. plants 45c, 3-yr. plants 95c, not prepaid.

## PERSIAN LILAC

The Persian Lilac makes a most wonderful tall hedge or screen, and is especially adapted to foundation planting. It has slender branches of open graceful growth, small leaves and large loose clusters of light purple flowers in May. 2-yr. plants 45c, 3-yr. plants 95c, not prepaid.



FRENCH LILACS bloom when young, and bear year after year panicles of an extraordinarily large size.

## 5 Beautiful LILACS

One each of the five varieties described above. 2 yr. size.

**1<sup>85</sup>**

Postage  
and  
Insurance  
on  
Lilacs

12c for one  
26c for three

# Best Shrubs for Landscaping

Plant dwarf shrubs (marked D.), about 1-2 ft. apart. Medium shrubs (marked M.) about 2-3 ft. apart and large shrubs (marked L.) about 3-4 ft. apart. All shrubs are guaranteed to reach destination in best condition and are bound to grow.

**SPECIAL DISCOUNT ON EARLY NURSERY ORDERS**  
**15% to MARCH 1—10% to APRIL 1** [When Remittance Is Sent with Order.]  
**STRAWBERRIES AND ALL SPECIAL NURSERY OFFERS EXCLUDED**

*Spirea Van Houttei.*

**RED-LEAVED BARBERRY.** D. Rich bronze-red leaves that hold their color all summer. A bright contrast to other shrubs. Plant in full sunlight. Rust-proof. Prices: 2-yr. plants 30c, 3-yr. 60c.

**JAPANESE BARBERRY.** (Thunbergi.) D. Of bushy spreading growth, with small bright green leaves densely covering the thorny twigs. Scarlet and bronze in fall, studded with crimson berries. Rust-free. Prices: 2-yr. plants 20c, 3-yr. 35c.

**COTONEASTER.** M. A neat clean shrub with small rounded leaves, dark green and glossy. Inconspicuous pink flowers followed by black fruit. Extremely hardy and drought resistant. Prices: 2-yr. plants 30c, 3-yr. 65c.

**ELDERBERRY.** L. Hardy bush covered with white panicles of bloom in May, followed by bright scarlet berries in July. Attracts useful birds. Does well in shade—grows to height of 6-7 ft. Price: 2-yr. plants 25c, 3-yr. 30c.

**HIGHBUSH CRANBERRY.** L. Handsome shrub with dense brilliant green foliage. White flowers in spring, followed by big clusters of edible red berries. Excellent for background planting. Prices: 2-yr. plants 45c, 3-yr. 65c.

**RED-TWIGGED DOGWOOD.** L. Bright coral-red branches make this shrub attractive in all seasons. Fine for background or mass planting. Thrives in sunlight or shade. Prices: 2-yr. plants 30c, 3-yr. 50c.

**GOLDEN ELDER.** L. The golden beauty of its foliage contrasts richly with the green of other shrubs. Produces large, flat, white blossoms, followed by purplish berries. Prices: 2-yr. plants 30c; 3-yr. 45c.

**FORSYTHIA.** (Golden Bell.) L. The first shrub to bloom in the spring. Beautiful bell-shaped flowers of golden yellow cover the bush before the leaves appear. Grows 6-8 ft. tall though easily trimmed back to desired height. Prices: 2-yr. plants 30c, 3-yr. 45c.

**RED BUSH HONEYSUCKLE.** (Tartarian.) L. Blooms in May followed by bright red berries throughout the summer. Good for foundation and screen plantings. Prices: 2-yr. plants 30c, 3-yr. 40c.

**SNOWHILL HYDRANGEA.** (Arborescens.) M. Valuable for landscape planting. Snowball-like flowers from July to frost. Prices: 2-yr. plants 35c, 3-yr. 60c.

**LARGE FLOWERING HYDRANGEA.** (Paniculata Grandiflora.) M. Very showy, with clusters of magnificent conical flowers of pure white, changing to bronze-pink in fall. Blooms in August. Often cut for winter house decoration. Prices: 2-yr. plants 35c, 3-yr. 60c.

**LILAC, FRENCH HYBRIDS.** L. See page 39 for description and prices.

**MAY FLOWER BUSH.** L. The first to come into full leaf in spring. Produces a wealth of white blooms which cover the entire bush. Very ornamental as a specimen bush or tree, or for background planting. Prices: 2-yr. plants 30c; 3-yr. 45c.

**PURPLE LEAF CISTENA.** M. A new shrub introduced by Prof. Hansen of the South Dakota College. Very striking purple foliage—fine color effect. Used in landscape plantings. Very hardy, dwarf and compact. A showy shrub desirable in any landscape. Prices: 2-yr. field-grown plants 50c, 3-yr. 75c.

**ROSE TREE OF CHINA.** (Prunus Triloba.) M. Without question the most striking flowering shrub for early spring. Every branch completely covered with small double, rose-like, pink flowers in May, before the leaves are out. Prices: 2-yr. field-grown plants 45c, 3-yr. 70c.

**SNOWBERRY, WHITE.** D. A very desirable dwarf shrub, perfectly hardy. Has tiny rose-colored flowers in June and July, followed by milk-white clusters of berries in late fall and winter. Does well in sun or shade. Prices: 2-yr. plants 25c, 3-yr. plants 35c.

**SNOW GARLAND SPIREA.** (Arguta.) M. The earliest blooming Spirea, growing 5 ft. tall. Slender and graceful form with delicate leaves. Pure white flowers are produced in great profusion. Prices: 2-yr. field-grown plants 35c, 3-yr. 50c.

**SPIREA ANTHONY WATERER.** D. Has gay crimson flowers that bloom all summer, and variegated foliage. Is very hardy. This dwarf shrub will fit into any plan and always proves attractive. Prices: 2-yr. field-grown plants 25c, 3-yr. 35c.

**SPIREA BILLARDI.** M. Plume-like flowers of delicate rose; upright growth. Medium height. Fine foliage. Will add to any foundation or landscape planting—very hardy. Prices: 2-yr. field-grown plants 30c, 3-yr. 45c.

**SPIREA VAN HOUTTEI.** (Bridal Wreath.) M. Most popular of all shrubs—very hardy—blossoms profusely in May. Prices: 2-yr. size 25c, 3-yr. size 35c.

**SYRINGA.** (Mock Orange.) L. A tall hardy bush bearing beautiful white flowers that resemble orange blossoms, in great profusion. They are fine for cutting and exquisitely fragrant. Used for background, screen planting or grouping. Attractive foliage. Prices: 2-yr. field-grown plants 35c, 3-yr. 50c.

**TAMARIX, HISPIDA.** M. New, graceful and distinctive appearance, with light and feathery foliage and large, loose panicles of orchid-pink flowers. Prices: 2-yr. field-grown plants 25c, 3-yr. 40c.

**WEIGELA FLORIBUNDA.** M. Produces a wonderful display of crimson flowers in May and June. They are bell-shaped, leaves deep green, and bushes will grow to a height of 4-5 ft. Prices: 2-yr. plants 45c, 3-yr. plants 60c.

*Snowhill Hydrangea.*

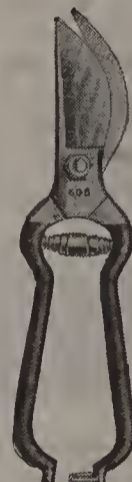


**EEZY WEAR GARDEN GLOVES**

All-Leather—Soft as Kid—Dirt-Proof—Extra Pliable.

Economical—outwear six pairs of fabric gloves and are useful the year 'round for Garden, Housework, Painting, Yard, Furnace, Garage, etc. **WASHABLE!** Specify for men or women. (2 pairs \$1.20), postpaid.

ONE PAIR prepaid for ..... **65c**



No. 817  
**Tool Steel PRUNING SHEARS**

Only **65c**  
 Postpaid

[Hedge Shears Special! Page 35.]

Every home has a thousand and one uses for pruning shears—shrubs, berry bushes, hedges, trees, plants—all need pruning. Here is a good pruning shears—drop-forged tool steel, tempered blade, guaranteed. Volute spring. Price: 65c, prepaid.

ALLOW POSTAGE



*Spirea A. Waterer.*

**ADD FOR POSTAGE**—2-3 ft. shrubs 13c each, for 3—21c, for 5—27c, for 10—43c.  
 3-4 ft. shrubs 19c each, for 3—33c, for 5—47c, for 10—77c.  
 Larger Shipments by Express.

**FIFTY YEARS OF SERVICE MUST MEAN DEPENDABILITY**



**PAUL'S SCARLET CLIMBER**  
Vigorous—free flowering

Best Hardy  
**4 Roses**  
\$1.45  
Your choice of any four  
POST PAID



**TALISMAN ROSE**  
A blend of brilliant colors  
See page 38.

See  
page 39.

**ALL POSTPAID PRICES**  
are to 3rd Zone

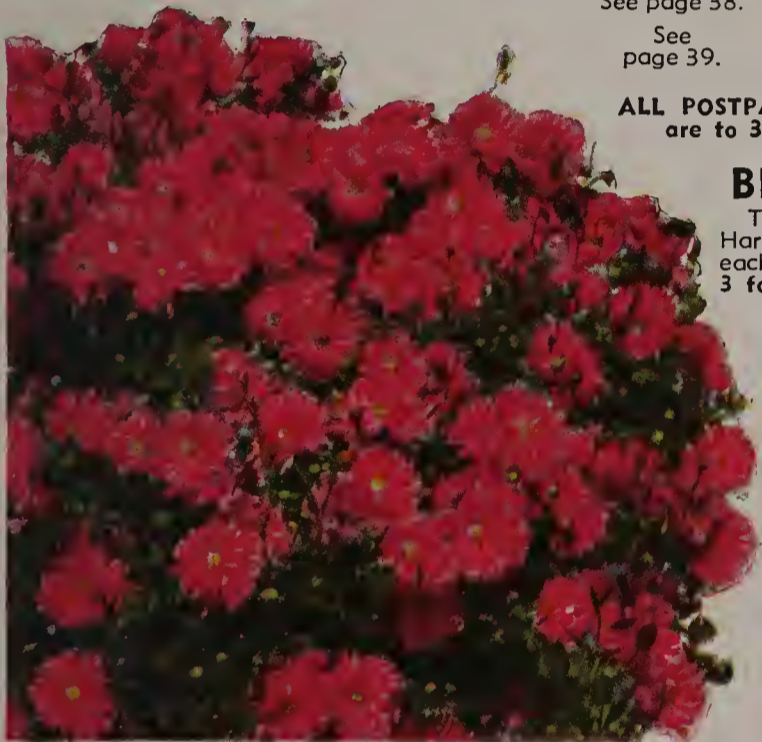


**PINK RADIANCE**  
For never-failing bloom



**HANSA ROSE**  
Hardest of all  
See page 38.

**4**  
Choice  
Peonies  
YOUR CHOICE  
OF COLOR—  
**RED-PINK  
AND WHITE**  
\$1.00  
Only PPD.  
SEE PAGE 39



**BLAZE-O-MUM**

See page 82

**BLAZE-O-MUM**

The plant of a thousand blooms.  
Hardy and easy to grow. One plant  
each. Deep Red, Soft Pink, Bronze.  
3 for 85c, prepaid.  
See page 82.

**Chinese ELM**

The Nation's Fastest Growing  
Shade and Lawn Tree.  
(Page 36).  
Hardy Everywhere.

**4 TREES** \$1.00  
3-4 ft., ppd.

**4 TREES** \$1.35  
4-5 ft., ppd.

Prepaid to Third Zone



**CHINESE ELM**, 5 years old. See page 36



**ROSE TREE OF CHINA**

Most Beautiful Spring-Flowering  
Tree. 3-Yr. Size. (Page 40).  
IT'S YOURS ..... For Only

**80c**  
ppd.



(1) Red Tartarion Honeysuckle; (2) Spirea Billardi; (3) Spirea Snow Garland; (4) Mugho Pine; (5) Forsythia, Golden Bell; (6) Spirea Anthony Waterer; (7) Pyromidal Arbor-Vitoe; (8) Spirea Van Houttei; (9) Hydrangeo P. G. Description and prices of above shrubs on page 40.

**SPECIAL!**

Two each of above seven Flowering Shrubs, 2-yr. size, \$3.95  
3-yr. size \$5.45, not prepaid. (Not including Evergreens).  
N ppd.





**Cortland Apple** →  
New top notch quality apple for late fall and winter. Delicious flavor; hang on trees longer; easy to grow. 2-3 ft. trees, 40c each; 3 for 95c. 3-4 ft. trees, 45c each; 3 for \$1.05. 4-6 ft. trees, 70c each; 3 for \$2.00. Not prepaid. Page 34.

**Big Red Haralson Apple**  
Largest red winter apple, excellent quality. Hardy. 2-3 ft. trees, 35c each; 3 for 80c. 3-4 ft. trees, 40c each; 3 for 90c. 4-5 ft. trees, 65c each; 3 for \$1.85. Not prepaid. Page 34.



**Northwestern Greening Apple** →  
Best baking and pie apple; large greenish yellow fruits; good keeper. 2-3 ft. trees, 35c each. 3-4 ft. trees, 40c each. 4-5 ft. trees, 65c each. Not prepaid. Page 34.

**Anoka Apple**  
Earliest apple. Hardy and heavy bearer. 2-3 ft. trees, 35c each; 3-4 ft. trees, 40c each; 4-6 ft. trees, 65c. Not prepaid. Page 34.



**New Fredonia Grape** →  
Earliest quality grape. Compact clusters, perfectly hardy. Standard plants, 5 for \$1.10; 10 for \$1.95. Heavy grade, 5 for \$1.35; 10 for \$2.35. Not prepaid. See page 33.



**Everbearing Wayzata Strawberry**  
Prize winning Everbearer, record profit maker. Long keeper, excellent quality. Fruit first season. See page 31 for special prices. →



**Compass Cherry** ←  
Bears Second Season. Hardy everywhere, delicious sweet cherries. 2-3 ft. trees, 35c each; 3 for 85c. 4-5 ft. trees, 55c each; 3 for \$1.35. Not prepaid. Page 35.

**Cumberland Black Raspberry**  
Largest, best black variety. Heavy plants, 12 for \$1.25; 25 for \$1.95. Not prepaid. Page 33.



**Sapa Cherry** ←  
Purple-red fruit. Delicious sweet cherries. 2-3 ft. trees, 35c each; 3 for 85c. Heavy grade, 4-5 ft. trees, 55c each; 3 for \$1.35. Not prepaid. Page 35.

**New Apple Collection**  
8 CHOICE SIZE TREES 3-4 ft. Only \$264 Value \$380

2 Anoka (Summer)	2 Beacon (Early Fall)
2 Cortland (Early Winter)	2 Haralson (Late Winter)

**Family Fruit Offer**  
8 Trees 3-4 ft., for \$270 Value \$3.80

1 Parker Pear	1 Patten Pear
2 Waneta Plum	2 Kaga Plum
1 N. W. Greening Apple	1 Hardison Apple

**Home Orchard Collection**  
8 Trees 3-4 ft., for \$250 Value \$3.60

3 Oka Cherry	3 Sapa Cherry
2 Compass Cherry	

F. O. B. FARIBAULT



**Waneta Plum** →  
Prof. Hansen's masterpiece, combining hardiness, color, small pit. Producing fruit in two years. 3-4 ft. trees, 45c each; 3 for \$1.05. 4-5 ft. trees, 55c each; 3 for \$1.35. Not prepaid. Page 34.

**Kaga Plum**  
Bears loads of delicious apricot flavored plums. 2-3 ft. trees, 35c each; 3-4 ft. trees, 45c each; 4-5 ft. trees, 55c each. Not prepaid. Page 34.



**Chief Red Raspberry**  
Earliest of all, excellent quality. Heavy yielder. Standard plants, 25 for 80c. Heavy grade, 25 for \$1.55. Not prepaid. Page 33.



**Latham Raspberry** ←  
World famous, greatest yielder and largest berries. Standard plants, 25 for 90c. Heavy plants, 25 for \$1.75. Add 15c for postage. Page 33.

**Red Lake Currant** →  
Newest Minnesota introduction. Big red berries; long clusters; heavy bearer. Standard plants, 5 for \$1.35; 10 for \$2.25. Heavy grade, 5 for \$2.45; 10 for \$4.45. Not prepaid. Page 33.



**New Beacon Apple** (MINN. NO. 423)  
Newest All-Red Early Apple. From Minnesota Fruit Breeding Farm. A few days later than Duchess. Keeps until fall; highly colored; excellent flavor; very hardy. A big premium as market apple. 2-3 ft. trees, 60c each; 3 for \$1.40. 3-4 ft. trees, 65c each; 3 for \$1.50. 4-6 ft. trees, 90c each; 3 for \$2.45. Not prepaid.



ALL PRICES F. O. B. FARIBAULT See page 32 for Postage Schedule

SEE POSTAGE SCHEDULE ON PAGE 32

PRICES F. O. B. FARIBAULT

Everyone  
Loves Flowers



3  
plants  
for Only  
95¢  
PPD.

**Africana Petunia  
Plants**

**New Double Royal Purple**  
Vigorous grower, produces 3  
dozen flowers at one time.  
Blooms measure four inches in  
diameter. 3 plants for 95c, ppd.



Firebrand  
Thor



5 Hardy  
Phlox  
PLANTS  
for 75¢  
PPD.

All plants labeled and  
true to name and color.  
1 Firebrand. Crimson.  
1 Starlight. Violet.  
1 Thor. Salmon-pink.  
1 Hauptman Koehl.  
Dark red.  
1 Pink Beauty. Rose-  
pink.  
One plant of each, 75c,  
ppd.



Starlight

Jubilee  
ANNUAL  
COLLECTION  
3 New  
Annuals  
as illustrated  
(Regular Value 75¢)  
ONE  
PACKET  
EACH 50¢  
PPD.



Centaurea



Viola Cornuta,  
Arkwright Ruby  
Pkt. 25c

Centaurea  
(Carnflower),  
Jubilee Gem  
Pkt. 25c

Scabiosa,  
Rosette  
Pkt. 25c

Viola Cornuta



Scabiosa, Rosette



Tigridia

**Tigridia**  
Mexican Shell  
Flower

Height 2½ ft.  
Strikingly beau-  
tiful and bril-  
liantly colored,  
the flowers are  
borne in quick  
succession, in  
mid summer.  
Plant in May, 6  
inches apart and  
4 inches deep;  
dig in fall before  
frost, and store  
like gladiolus  
bulbs over win-  
ter. 3 for 40c,  
postpaid.



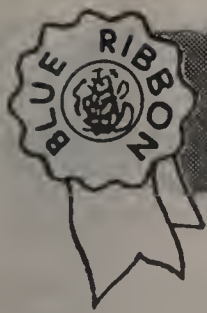
Regal Lily

Candlestick Lily



6 Hardy  
Lilies  
Three of each \$1.00  
shown here PPD.

**CANDLESTICK LILY.** Showy or-  
ange-red flowers on 2 ft. stems  
in June. Each 25c, postpaid.  
**REGAL LILY.** Large, fragrant,  
ivory-white flowers in July. 3  
bulbs for 35c, postpaid.



The World's  
Finest

# GLADIOLI

Smiling  
Maestro,  
a giant  
salmon-  
rose.

## Gaiety Collection

**AFLAME.** Begonia-rose, shading to bright flame. Six to seven large blooms open at one time.

**BAGDAD.** Very large smoky old-rose. A giant exhibition variety. Always admired.

**COMMANDER KOEHL.** Giant rich red.

**OLIVE GOODRICH.** White, edged rose-pink.

**PICARDY.** Beautiful shrimp-pink. Giant blooms and spike. A sensation wherever exhibited.

**ROI ALBERT.** Smoky copper-salmon novelty.

**SALBACH'S ORCHID.** Rosy lavender. Unusually fine.

**TOBERSUN (October Sun).** Tall late yellow.

Any of the above:

8c each, dozen 75c, prepaid

One Each Above  
(Value 64c)

8 Bulbs 55<sup>c</sup><sub>ppd.</sub>

Two Collections for \$1.00



## Golden Jubilee Collection

A wonderful mixture made up of choice varieties such as Betty Nuthall, Charles Dickens, Pfitzer's Triumph, etc.

25 for 75c

50 for \$1.19

100 for \$1.98  
ppd.

## Audel's Garden Guides

Make a Fine Gift for Your Garden-Minded Friends

**AUDELE'S GARDENERS' AND GROWERS' GUIDE**—Four volumes, 1,700 pages, hundreds of illustrations. Tells how to prepare the soil, how to plant, grow and improve vegetables, fruits and flowers. Flexible art binding, \$5.35, prepaid. Circular free.

**AUDELE'S FLOWER EDUCATOR**—Six hundred pages, hundreds of illustrations. Gives successful directions for planting and growing Annuals, Perennials, Bulbs, Shrubs and Fine Lawns. Invaluable to every gardener. Flexible art binding, \$1.50, prepaid.

## Blue Ribbon Winners

**BLUE ADMIRAL.** Clear, deep violet-blue. Each 12c, dozen \$1.15.

**DEBONAIR.** Pink with cream throat, lightly dusted with crimson. Sometimes shows a flaking of deep pink. Each 10c, dozen \$1.00.

**DR. C. HOEGG.** Glossy, velvety maroon. Each 15c, dozen \$1.50.

**HINEMOA.** A striking novelty. Old rose, heavily flecked with chocolate. Large cream throat. Each 12c, dozen \$1.15.

**KING ARTHUR.** Large, ruffled lavender, with heavy, lustrous petals. Each 10c, dozen \$1.00.

**ORANGE PRINCESS.** Pure salmon-orange with lighter hue in throat. Slightly ruffled. An outstanding exhibition Glad. Each 12c, dozen \$1.15.

**SMILING MAESTRO.** Deep salmon-rose, flaked cream. Makes a grand spike. Each 15c, dozen \$1.50.

**STAR OF BETHLEHEM.** The largest and most beautiful white Glad. Each 20c, dozen \$2.00.

## BLUE RIBBON COLLECTION

One Each Above  
(Value \$1.06)

8 Bulbs 85<sup>c</sup><sub>ppd.</sub>

Two Collections for \$1.65

## 12 Favorites

**AVE MARIA.** Clear, light blue; purple blotch.

**BILL SOWDEN.** Rich, deep exhibition red.

**BLEEDING HEART.** Blush white with red blotch. Tall straight spike with 8-10 perfectly placed blooms.

**DR. BENNETT.** Vivid, fiery scarlet.

**LA PALOMA.** Rich, brilliant orange.

**MARGARET FULTON.** Lustrous salmon-pink, rich and distinct. Very early.

**MARMORA.** Silvery lavender-gray with purple blotch.

**MINUET.** A lovely clear lavender. Large bloom.

**PURPLE GLORY.** Velvety maroon.

**RUFFLED GOLD.** Ruffled yellow with a silky sheen.

**SWEETHEART.** Frilled pink with white throat. Very dainty.

**WASAGA.** Clear apricot, buff throat. Ruffled.

Any of the above:

7c each, dozen 65c, prepaid

## FAVORITE COLLECTION

Two Each of Above

24 Bulbs \$1.10<sub>ppd.</sub>

F. S. & N. Co.

Aug. 17, 1937

I am writing to commend your "Cut Flower Glad Collection." I attended the State Gladiolus Show, and saw none lovelier than mine. I raised them in clay and peat moss—some had as many as six spikes and were more than four feet tall. I am also enclosing a snapshot of my Canterbury Bells which I raised from your seed last summer.

Mrs. Ralph Lennon, Oshkosh, Wis.



## 10 Aristocrats

**BLUE DANUBE.** Pure amethyst-blue, with deeper throat.

**BONNEVILLE.** Lustrous, glistening salmon-pink.

**BRIGHTSIDE.** Rich yellow, tipped bitter-sweet-orange. Ruffled petals with a lustrous sheen.

**DUNA.** Warm flesh-pink. Delicately beautiful.

**EMILE AUBRUN.** Coppery rose, with cherry blotch.

**GOLDEN POPPY.** Deep golden-yellow.

**LOTUS.** An exquisite blend of pink and cream.

**MOTHER MACHREE.** Soft lavender-gray overlaid salmon-pink.

**PELEGRINA.** Dark blue, with a velvety sheen.

**WURTEMBERGIA.** Giant scarlet, with cream blotch. Very showy.

Any of the above:

9c each; 90c per dozen, prepaid

## ARISTOCRAT COLLECTION

One Each of Above  
(Value 90c)

10 Bulbs 80<sup>c</sup><sub>ppd.</sub>

Two Collections for \$1.45

F. S. & N. Co.

Nov. 1, 1937

I had wonderful success with the Giant and Midget Zinnia Collections I purchased of you last spring. Visitors came from miles away to see my Zinnia Garden. I have recommended your company to all of them.

George C. Stone, 793 Capitol Ave.,  
St. Paul, Minn.

Cut Gladiolus Spikes When the Lowest Flower Is in Bloom—the Others Will Open in Succession and Remain Fresh for a Week

# Grow Dahlias of Quality



SANHICAN'S BEAUTY has the gorgeous coloring of a rose.

**ANREA ERICSON.** Informal Decorative. A pure white exhibition dahlia that never fails to bloom profusely. The tips of the broad, oval petals are twisted, giving the flower a fluffy appearance. Each 50c, prepaid.

**BUCKEYE BRIDE.** Formal Decorative. Geranium-pink, shading to light salmon. For beauty, stem, habit and profusion of bloom this variety is a standard in the dahlia world. Each 50c, prepaid.

**DWIGHT W. MORROW.** Informal Decorative. A gigantic crimson-red. Its rich coloring, graceful formation and immense size have made this a consistent prize winner. Each 60c, prepaid.

**EDNA FERBER.** Semi-Cactus. Glistening coral color, shading to old gold at base of petals. The unusual beauty and color of the flower attracts immediate attention. Each 40c, prepaid.

**FRAU O. BRACHT.** Semi-Cactus. Color, a clear, light primrose-yellow. A wonderful cut flower as well as a consistent prize winner. Each, 50c, prepaid.

**GOLDENE SONNE.** Cactus. Golden yellow, shading to soft salmon-rose. Blooms early and continuously. An exceptional cut flower. Each 30c, prepaid.

**JANE COWL.** Informal Decorative. Deep massive blooms of a bronze-buff and old gold, blending to apricot and rose at center. Each 25c, prepaid.

**JEAN TRIMBEE.** Semi-Cactus. Beautiful petunia-violet. The blooms are massive yet artistic, with long petals that curl and twist. Each 50c, prepaid.

**JERSEY'S BEAUTY.** Formal Decorative. Beautiful large, rose-pink flowers of perfect form, on long, stiff stems held well above the foliage. Each 25c, prepaid.

**JIM MOORE.** Informal Decorative. Color, a clear primrose yellow shading to gold and flushed salmon. Blooms profusely regardless of weather conditions. An exhibition dahlia you can depend upon. Each 50c, prepaid.

**KEMP'S VIOLET WONDER.** Informal Decorative. Violet, with an undertone of royal purple. Flowers of perfect form, never burn, and keep well both on the bush, and when cut. Each 30c, prepaid.

**MRS. ALFRED B. SEAL.** Formal decorative. A rich shade of pure, glowing old rose, and there are few dahlias of this color. Huge flowers of great depth and substance. Each 30c, prepaid.

**MABEL S. DOUGLASS.** Informal Decorative. Beautiful pastel lavender. Of artistic formation, with long, curled, pointed petals. Prefers heavy soil and needs staking. Each 50c, prepaid.

**OMAR KHAYYAM.** Formal Decorative. Chinese red at base of petals, shading to bright orange with paler tips. Its unusual coloring is much admired. Each 40c, prepaid.

**PRINCE OF PERSIA.** Informal Decorative. A glowing cardinal red, rich and iridescent. Long-petaled, deep flowers on long stiff stems. Each 30c, prepaid.

**SANHICAN'S BEAUTY.** Formal Decorative. Has the gorgeous coloring of the Mme. Edouard Herriot Rose—coral-red, shaded yellow and scarlet. Free-flowering and an excellent cutter. Each 50c, prepaid.

**SULTAN OF HILLCREST.** Formal Decorative. Lemon-yellow, with reverse of petals rose-pink, producing an unusual color effect. Huge blooms with petals recurving to the stem. Each 75c, prepaid.

## Special Dahlia Offers

### PRIZE COLLECTION

One of Each

Andrea Ericson, white..... \$ 1 <sup>50</sup>/<sub>ppd.</sub>  
Dwight W. Morrow, red.....  
Sultan of Hillcrest, buff.....

### HARMONY COLLECTION

One of Each

Frau O. Bracht, yellow..... \$ 1 <sup>00</sup>/<sub>ppd.</sub>  
Mabel S. Douglass, lavender...  
Mrs. Alfred B. Seal, rose.....

### QUALITY COLLECTION

One of Each

Goldene Sonne, yellow..... 70c  
Kemp's Violet Wonder, violet...  
Prince of Persia, cardinal..... <sub>ppd.</sub>

## Miniature Dahlias

Especially adaptable to use in the home and valuable for mass plantings or borders. Flowers do not exceed 3½ inches in diameter.

**BISHOP OF LLANDAFF.** Brilliant, rich red, with dark bronze colored lacy foliage. Very fine. Each 50c, prepaid.

**SANHICAN'S SWEETHEART.** Dainty flowers of the cactus type; color pale apricot suffused shrimp-pink. Extra-long stems; very free flowering. Each 50c, prepaid.

## CANNAS

Used extensively for mass planting in beds and for color effect in hardy borders. Roots started indoors in April may be set out in June when danger of frost is past. We offer dormant roots of first quality.

**KING HUMBERT.** 4 ft. Large trusses of orange-scarlet, flowers. Foliage is bronze, very broad and handsome. A "Gold Medal" Canna.

**THE PRESIDENT.** 4½ ft. Rich glowing scarlet flowers, 7 inches across, on strong, erect stalks. The foliage is green.

**HUNGARIA.** 3½ ft. The best pink Canna. Leaves bluish-green, never burn. Trusses are compact and of enormous size.

**YELLOW KING HUMBERT.** 4 ft. Flowers a deep rich yellow, softly spotted and blotched with bright red. Foliage very dark green.

**APRICOT.** 4 ft. Color, buff-yellow overspread with salmon-pink, producing a mass effect of rich apricot.

**MRS. ALFRED F. CONRAD.** 4 ft. Unsurpassed for planting either singly or in large beds. Foliage is green; flowers exquisite pink.

**GOLDEN GATE.** 4 ft. Color, pure golden yellow. Very rich and effective. Flowers of good size held well above the foliage.

Price, any of the above dormant roots, 15c each, 6 for 50c, 12 for 90c, 25 for \$1.70, prepaid.



## Canna Bed Collection 19

CHOICE ROOTS

\$ 1 <sup>35</sup>/<sub>ppd.</sub>

A round bed 7 ft. in diameter requires 19 Cannas planted 18 inches apart each way; one in center; six in first row; twelve in outside row. Center of bed should be 4 to 6 inches higher than the level of the lawn. 19 Cannas, your choice, \$1.35 prepaid.

A bed of  
CANNAS will  
make a magnificent showing of  
flowers and foliage all summer.

# Hardy Garden LILIES

The hardy border is an ideal location for lilies, as they need sunshine on their tops and shade about their roots. The foliage of surrounding low shrubbery and plants provides shade and shows the flowers to best advantage.

**CANDLESTICK LILY (Umbellatum)**  
Height 2-3 ft. A showy, sun-loving variety that is easily grown. The large, orange-red flowers are held erect like widespread chalice, and are borne in great profusion in June. Each 25c, 3 for 65c, prepaid.

**CORAL LILY (Tenuifolium)**  
Height 2 ft. A charming little lily for the border or rock garden. The brilliant coral-red flowers are borne in clusters of five to fifteen on slender stems. Foliage is finely cut and fern-like. Blooms in July. Each 20c, 3 for 50c, prepaid.

**GOLD-BANDED JAPAN LILY (Auratum)**  
Height 4-6 ft. One of the largest and handsomest of lilies. The fragrant, trumpet-shaped flowers are ivory-white, with broad, yellow bands down the center of each petal, and richly spotted with crimson. Blooms in July and August. Each 30c, 3 for 80c, prepaid.

**IMPROVED RUBRUM LILY (Speciosum Magnificum)**  
Height 4 ft. White, flushed rose-pink, and heavily spotted with carmine, the large, frilly flowers face downward and roll back their broad petals so that stamens and pistil curl way out. Blooms in late August. Each 30c, 3 for 80c, prepaid.

**PHILIPPINESE FORMOSANUM**  
Height 3-4 ft. In general appearance, very like the Regal Lily. The long, white trumpet-shaped flowers have a pale emerald-green throat which gives them a distinct and delicate appearance. Bloom from August to frost. Each 30c, 3 for 80c, prepaid.

**REGAL LILY (Regale)**  
Height 3-5 ft. The easiest of all lilies to grow, and the most beautiful of all the true trumpet-shaped varieties. The large flowers are ivory-white, shaded rose, with centers flushed yellow. The stems are sturdy and bear clusters of 2-8 fragrant flowers in June. Each 15c, 3 for 35c, prepaid.

**DOUBLE TIGER LILY (Tigrinum Flore Pleno)**  
Height 5 ft. Handsome, showy lilies of easy culture, producing an abundance of orange-scarlet flowers in August. Very hardy and vigorous. Each 20c, 3 for 50c, prepaid.

**TURK'S CAP LILY (Superbum)**  
Height 3-8 ft. The most magnificent and showy of the native North American species. This splendid lily produces from 1-40 flowers of brilliant orange-scarlet, shaded yellow, and spotted brown. Blooms in late July. Each 20c, 3 for 50c, prepaid.

For Hardy Day Lilies, see page 60



Regal Lilies Growing in Garden.

## Special LILY COLLECTION

One Bulb of Each  
Gold-Banded Japan  
Improved Rubrum  
Coral Lily  
Philippine Formosanum  
Double Tiger  
Turk's Cap

(Value \$1.50)

6

for only

\$1.25

ppd.

## Miscellaneous Spring BULBS



Ismene Calathina.

### ISMENE CALATHINA (PERUVIAN DAFFODIL)

Not hardy. Lovely large amaryllis-like flowers of pure white, borne 3-4 on a stem. Very fragrant. Plant outdoors in June. Each 25c, 3 for 60c, prepaid.

## Bulbs for fall planting

Tulips, Narcissi and Hyacinths must be planted in the fall. Our Special Fall Bulb circular containing descriptions and prices of these and many other hardy spring flowering bulbs will be ready about September 15th. Send for it.

### MEXICAN SHELL FLOWER (TIGRIDIA PAVONIA)

Exotic and strikingly beautiful, the large three-petaled flowers vary in color from white to golden-yellow and vivid scarlet, deeply blotched with crimson-maroon. They provide a continuous display of brilliant color from midsummer to frost. Height about 2½ feet. Bulbs require same treatment as gladioli, from planting to storing. Each 15c, 3 for 40c, prepaid.

See Color Illustration on Page 44

### TUBEROSE (DWARF DOUBLE PEARL)

Height 18 in. Dwarf, stocky plants, with spikes of pure white wax-like double flowers with a delicious fragrance. Bulbs planted in a sunny position in the garden in May, bloom in fall. If early flowers are wanted, bulbs may be started in pots in the house, and transplanted to the open ground in May. To preserve tubers over winter, they must be kept in a warm room, or the flower stem will rot, and the tubers never bloom. Each 8c, dozen 75c, prepaid.

### GLOXINIAS

These showy plants are easily grown in pots for summer or winter blooming. They make a glorious display, continuing in bloom for several months. Plant the bulbs in small individual pots. Complete cultural directions will be sent with every order. Bulbs ready for shipment after March 1st. Each 35c, 3 for \$1.00, prepaid.

### CINNAMON VINE (DIOSCOREA BATATAS)

A beautiful climber—growing 30 ft. in a single season. Easily trained. It has glossy heart-shaped foliage and produces clusters of delicate white flowers, very fragrant. Especially hardy and will thrive anywhere. Strong roots each 15c, 3 for 40c, prepaid.

### MADEIRA VINE (CLIMBING MIGNONETTE)

Has small white feathery flowers; light green leaves, heart-shaped and is a rapid grower. Fine for arbor, trellis or summer houses. A free, constant bloomer—not hardy. Large bulbs each 10c, 3 for 25c, dozen 90c, prepaid.



## Giant Hybrid AMARYLLIS

House Plants with Gorgeous Lily-Like Flowers

The New Giant Hybrids are the finest strain of Amaryllis we have ever seen. The flowers are immense, with an amazing range of color blends, splashed and striped in a manner not seen in other strains. Complete cultural directions with each order.

Price 40c Each.

3 for \$1.00 ppd.



### ACHILLEA (Perennial)

1020 **THE PEARL**. 2 ft. Produces large clusters of double pure white flowers from spring until frost. Splendid for cutting. Easily grown from seed. Pkt. 10c

### ACROCLINIUM, Double Mixed (Annual)

1024 **EVERLASTING**. 20 in. Graceful daisy-like flowers which if cut just before they open, can be dried for winter bouquets. Pkt. 10c

### AGERATUM or Floss Flower (Annual)

1027 **BLUE CAP**. 6 in. A dwarf Ageratum with large flowers of a deep rich blue color. The foliage is small and plants have the appearance of miniature domes and make a perfect edging to flower borders. Pkt. 15c

### ALYSSUM, SWEET (Annual)

Forms a dense carpet of beautiful flowers and is unexcelled for low edgings and borders. Blooms from June to frost.

1032 **SNOWCAP**. The dwarfiest and most compact variety. Plants form a dense cluster of snow-white flowers, with the objectionable green center entirely eliminated. Oz. \$1.00, ½ oz. 60c, ¼ oz. 35c, pkt. 15c.

1033 **LILAC QUEEN**. 6 in. Delicate lavender flowers. Forms a pleasing contrast with the white variety. Oz. 60c, ½ oz. 40c, pkt. 10c



Giant California Sunshine Asters.  
(See page 49)

## New Flowers for 1938

ALYSSUM, Snowcap.....	Page 48
CALENDULA, Orange Fantasy..	Page 50
CALENDULA, Double Orange Sunshine .....	Page 50
CELOSIA, Flame of Fire.....	Page 50
CENTAUREA, Jubilee Gem.....	Page 50
COSMOS, Pink Sensation.....	Page 51
MARIGOLD, Sunset Giants.....	Page 53
MARIGOLD, Golden Eagle.....	Page 53
MORNING GLORY, Scarlett O'Hara .....	Page 54
NASTURTIUM, Apricot Gleam..	Page 54
SCABIOSA, Rosette.....	Page 56
VERBENA, Floradale Beauty...	Page 58
VERBENA, Crimson Glow.....	Page 58
VIOLA, Arkwright Ruby.....	Page 58
ZINNIAS, Cupid, Desert Gold, Linearis .....	Page 59

### ALYSSUM, Madwort (Perennial)

1034 **SAXATILE COMPACTUM**. 9 in. An excellent plant for the rockery or front of borders. Produces broad masses of bright yellow flowers in early spring. Also known as "Basket of Gold," ¼ oz. 40c, pkt. 10c

### ANCHUSA "Blue Bird" (Annual)

1040 Height 18-24 in. Bears large umbels of vivid, indigo-blue, Forget-Me-Not-like flowers in a luxuriant bouquet on tall stems from July to October. Effective in the garden or for cutting. Pkt. 15c

### ANTIRRHINUM—SNAPDRAGON (Annual)

Although generally grown as annuals, Snapdragons are perennials in the South and may live over winter with protection in the North.

#### New Majestic Snapdragons

A new type with extra large flowers closely set on long, sturdy spikes. Colors are exceptionally clear and beautiful. Height 20 inches.

1046 **ELDORADO**. Deep golden yellow. The richest tint to date.

1047 **ROSE MARIE**. Light salmon rose with gold center.

1048 **RED CHIEF**. A rich deep scarlet. Clear and brilliant.

Each of the above, Pkt., 20c; any 3 pkts. for 50c.

#### New Rust-Proof Snapdragons

1052 **UNIVERSITY OF CALIFORNIA MIXTURE**. Height 32 in. The University of California after years of collaboration with leading growers of that state have produced a race of Snaps which are 75% rust-proof. The seed comes from parent plants which have been tested. Pkt. 25c

1054 **GIANT MIXED SNAPDRAGONS**. Height 30 in. ¼ oz. 50c, pkt. 10c

1060 **HALF DWARF SNAPDRAGONS**. Height 18 in. ¼ oz. 50c, pkt. 10c

### AQUILEGIA or Columbine (Perennial)

1073 **DOBBIE'S IMPERIAL HYBRIDS**.

Height 2 ft. Splendid plants for partially shaded positions in the border or rockery. Foliage is graceful and fern-like; the dainty long-spurred flowers are produced in strong brilliant shades of blue, lavender, pink and yellow in spring. Pkt. 15c

### ARCTOTIS (Annual)

1074 **GRANDIS**. Height 2-3 ft. Large, pearly-white flowers, with reverse of petals a pale lilac. Center light blue, surrounded with a gold band. One of the best flowers for cutting and one of the easiest to grow. Pkt. 10c

BABY'S BREATH, see Gypsophila, page 52.

BACHELOR'S BUTTON, see Centaurea, page 50.



AQUILEGIA—DOBBIE'S IMPERIAL HYBRID. A vigorous free flowering strain.

### BALLOON VINE (Annual Climber)

1200 Height 10-15 ft. Graceful climber with pale green foliage and small white flowers followed by ornamental seed pods resembling small balloons. Oz. 25c, pkt. 5c

### BALSAM, (Annual)

1205 **DOUBLE MIXED**. Height 18-24 in. Sturdy bushy plants with large double flowers clustered in the axils of the leaves. Colors: red, rose, pink and white. Prefer rich soil and sunny position. Pkt. 10c

### BELLIS, English Daisy (Perennial)

1208 Height 6-8 in. Compact plants, with leaves forming a rosette; the daisy-like flowers of rose and white are borne on stiff stems. Bloom all summer. Pkt. 10c

### BRACHYCOME, Swan River Daisy (Annual)

1213 Height 8 in. Compact plants with deeply cut foliage and dainty flowers. Suitable for edging and pot culture. Blooms all summer. Mixed colors. Pkt. 10c



Giant Mammoth Peony-Flowered Aster.

### Early Beauty

(Early Midseason Wilt Resistant)

This beautiful strain is rapidly superseding American Branching for general use. Plants are of the non-lateral branching type, grow 2-3 ft. tall, and produce enormous flowers on long, strong stems. Bloom from August to frost. Superb for cutting.

- 1100 Crimson.
  - 1101 September Beauty, flesh pink.
  - 1102 Azure Fairy, clear lavender-blue.
- Each of the above, 1/8 oz. 40c, pkt. 15c  
One pkt. of each for 40c

### Early Dawn

(Earliest of All)

A new class that is very early, beginning to flower in mid-July. Large, well-formed blooms about 4 inches across, borne on strong stems. Plants grow 16 to 18 inches tall. An excellent cutting variety.

- 1110 Finest Mixed.....Oz. 40c; pkt. 15c

### Early Royal

(Early Midseason Wilt Resistant)

These come into bloom in mid-August. The flowers are large and very double, with broad incurved petals; stems are long and upright, branching from the base of the plants. Height of plants, 2 feet.

- 1125 Royal Rose.
  - 1127 Royal Lavender.
  - 1128 Royal Purple.
  - 1130 Royal Mixed.
- Each of the above, 1/8 oz. 30c; pkt. 10c

### Giant Mammoth Peony Flowered (Midseason)

A super strain with immense double flowers of perfect form, borne on long stout stems characteristic of the true Peony flowered type. Wonderful for cut flowers and a splendid keeper and shipper. Plants grow 2 1/2-3 ft. tall, and bloom from July until frost. Finest mixed colors.

- 1140..... 1/8 oz. 40c; pkt. 15c

### Hardy Aster Michaelmas Daisy (Perennial)

Height 2-3 ft. Splendid for permanent position in the hardy border, where their masses of brightly colored, dainty blossoms liven up the garden in late autumn. The colors are shades of blue, pink and white. Plants form large, bushy clumps which should be divided and reset every 3 years.

- 1145.....Pkt. 15c

# ASTERS DISTINCT IN TYPE and COLORING

## Grow Beautiful Asters From Wilt Resistant Strains

They have been bred to resist Fusarium Wilt and you will find them much more vigorous and productive than the ordinary strains. The different types which we offer, vary in form and blooming season. By starting seed of various types, you are assured a brilliant garden display and flowers for cutting from mid-summer to frost.

### Giant Comet or Ostrich Feather

(Midseason Wilt Resistant)

The finest and largest of all Comet type asters. The massive chrysanthemum-like flowers are borne on stems 12-18 inches long. The petals are charmingly curled and interlaced, giving a light feathery effect. The plants of luxuriant branching growth attain a height of 2 1/2 feet. Should be grown in every garden where quality is appreciated. Finest mixed colors.

- 1146..... 1/8 oz. 30c; pkt. 10c

### Super Giant Asters

(Midseason)

Magnificent large flowers, 6-8 inches across, full petaled and very deep with gracefully interlacing petals. Gardeners everywhere are enthusiastic about this wonderful new Aster class.

- 1148 LOS ANGELES. An enchanting shade of pure shell-pink.....Pkt. 15c
- 1149 EL MONTE. Deep glowing crimson, with the sparkle of live rubies.Pkt. 20c

### Aurora Asters

(Midseason Wilt Resistant)

The delicate beauty and coloring of these asters are hard to describe. The flowers are fully double, with an attractive crest-like center of good substance and fine depth of petal. Height of plant 2 feet, with upright stems.

- 1150 AZURE BLUE. A lovely blue with yellow quill center.....Pkt. 15c
- 1151 GOLDEN SHEAF. Beautiful deep yellow.....Pkt. 20c

**Plant Bands guard young plants against cutworms. They are made of waterproof paper. See page 30 for description and prices.**

For Aster Plants see Page 83



AURORA ASTER.

### Giant California Sunshine

(Midseason)

The most beautiful and artistic of all Asters. The flowers have cushion centers of light yellow tubular petals, surrounded by broad guard petals of pink, rose, blue or lavender, producing a wonderful color contrast, and presenting an airy, lace-like effect. Individual blooms are 5-6 inches in diameter, on long, stiff stems. Plants 2 1/2-3 ft. high. Mixed colors.

- 1169..... 1/8 oz. 35c; pkt. 15c



Early Beauty Asters.

### Heart of France

(Early Midseason Wilt Resistant)

Conceded to be the finest red aster. Its remarkable color of rich glowing red deepens with age. The flowers are of good size, very full and double, and are borne on long stiff stems. Plants are of strong branching habit. 1 1/2-2 ft. tall.

- 1175.....Pkt. 15c

### Long Season Collection

- 1 pkt. Early Dawn.....
  - 1 pkt. Early Royal.....
  - 1 pkt. Giant Comet.....
- } 30c

### Gold Medal Collection

One pkt. each.

- Early Beauty.....
  - Giant California Sunshine..
  - Mammoth Peony Flowered..
- } 40c

# Orange Sunshine is an attractive New Calendula



One of the most beautiful Calendulas is **CAMPFIRE** or **SENSATION**.

## CAMPANULA

### Canterbury Bells (Biennial)

Plants form perfect pyramids about 2 feet high and produce beautiful bell-shaped flowers on long upright stems. Bloom in early summer.

- 1225 **SINGLE CANTERBURY BELLS.** Mixed colors, rose, blue and white.....Pkt. 10c
- 1226 **DOUBLE CANTERBURY BELLS.** Mixed colors, pink, blue and white.....Pkt. 10c
- 1232 **CUP AND SAUCER CANTERBURY BELLS.** Its very large calyx is the same color as the corolla, giving the flower the appearance of a cup and saucer. Mixed colors.....Pkt. 10c

### CANARY BIRD VINE (Annual Climber)

- 1235 Height 15-20 ft. Dainty cut foliage and curious bird-like blossoms of a clear canary yellow. Fine for covering stumps, trellises or fences... ½ oz. 25c; pkt. 10c

## CANDYTUFT

### (Annual)

Dwarf plants admirably adapted to beds, edgings, pots and borders. Will thrive anywhere, and blooms profusely throughout the summer.

- 1240 **GIANT HYACINTH-FLOWERED.** 1 ft. Enormous spikes of snow-white flowers..... ¼ oz. 25c; pkt. 10c
- 1242 **FINEST MIXED.** ... ¼ oz. 15c; pkt. 10c

### CANDYTUFT, IBERIS (Perennial)

- 1243 **SEMPERVIRENS.** 1 ft. Dwarf evergreen plants covered with white flowers in spring and early summer. Fine for borders and the rock garden..... ½ oz. 60c; pkt. 15c

### CARDINAL CLIMBER (Annual)

- 1245 Height 20 ft. A strong rapid-growing climber with fine fern-like foliage and clusters of bright red flowers from mid-summer to frost. Very showy and attractive.....Pkt. 10c

## CARNATION

### Giant Flowering (Annual)

Few flowers surpass in fragrance the spicily-scented Carnation. Given an early start indoors or in a hotbed, Double Carnations like those grown by florists, can be grown in the outdoor garden. Plants lifted in fall, cut back and potted, will bloom again indoors.

- 1251 **GIANT ENFANT DE NICE.** Flowers are 2-3 inches in diameter on long, strong stems. Finest mixed colors.....Pkt. 20c
- 1252 **GIANT DOUBLE MARGUERITE.** Blooms abundantly within five months from planting. Finest mixture. ¼ oz. 35c; pkt. 10c

CASTOR BEAN, see Ricinus, page 56.

## CALENDULA

### Scotch or Pot Marigold (Annual)

An old-fashioned annual which has been greatly improved in color, form and size by plant breeding. Easily raised from seed, the plants are bushy and grow about 2 feet high. Bloom from early summer to frost.

- 1214 **CHRYSANTHA** or **SUNSHINE.** Bright buttercup-yellow; long curling outer petals; incurved center petals.....Pkt. 10c
- 1215 **ORANGE SUNSHINE.** A golden orange companion to Chrysantha, with same chrysanthemum-like appearance.....Pkt. 15c
- 1216 **ORANGE FANTASY.** (1938 All-America Selection.) Large coppery-orange flowers with crest of seal-brown. Petals curled and interlaced.....Pkt. 25c
- 1217 **IMPROVED CAMPFIRE** or **SENSATION.** Bright glowing orange, with a distinct crimson or scarlet sheen.....Pkt. 15c
- 1219 **DOUBLE ART SHADES.** (New.) Pastel hues of apricot, cream, orange and tangerine..... ¼ oz. 50c; pkt. 15c

CALIFORNIA POPPY, see Escholtzia, page 52.

### CALLIOPSIS, Golden Wave (Annual)

- 1222 Height 2-3 ft. Plants are much branched and produce an abundance of showy flowers in various shades of crimson, orange and gold, all summer... ¼ oz. 30c; pkt. 10c



Annual Chrysanthemums

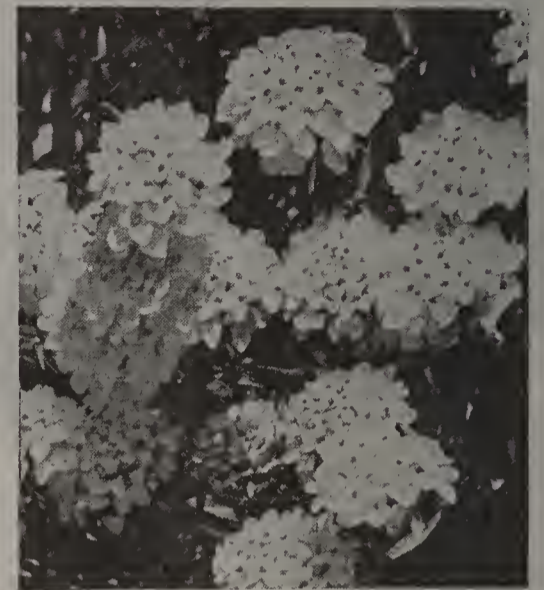
for a gay summer garden.

## CELOSIA

### Cockscomb (Annual)

- 1255 **CRISTATA.** Height 12-18 in. Large ornamental flower-heads frilled and corrugated like a cock's comb. Mixed colors.....Pkt. 8c
- 1256 **CHILDSI, (Chinese Wool Flower).** Height 3 ft. Large globular flower-heads, resembling balls of wool chenille, of a rich bright red color. Bloom from early summer to frost.....Pkt. 10c
- 1258 **PLUMOSA.** Height 3½ ft. Forms pyramidal branching plants with large feathery flower-heads, ranging from orange to deep crimson. Mixed colors.....Pkt. 8c
- 1259 **PYRAMIDALIS (Flame of Fire).** Height 1½ ft. Candelabra-shaped plants, each branch terminating in a flower-head of fiery scarlet.....Pkt. 20c

Remove the fading flowers from Calendula plants, and you will have plenty of blossoms all summer.



CANDYTUFT grows quickly and easily from seed.

## CENTAUREA

### Cyanus (Annual)

**BACHELOR'S BUTTON** or **CORNFLOWER.** 2 ft. Of easy culture, showy in the garden and splendid for cutting. If the seed is sown broadcast together with the seed of annual poppies, they will bloom at the same time producing a beautiful color effect.

- 1268 **JUBILEE GEM.** Height 1 ft. This new dwarf variety forms a compact plant, literally covered with vivid deep blue flowers.....Pkt. 25c
- See Color Illustration on Page 44.

- 1269 **DOUBLE MIXED.** ... ½ oz. 30c; pkt. 10c

- 1278 **SWEET SULTAN. (Imperialis.)** 2-3 ft. Handsome artistic flowers, resembling the blossoms of thistles, delightfully fragrant, fluffy and double; on long smooth stems, fine for cutting. Mixed colors....Pkt. 10c

- 1280 **DUSTY MILLER.** 1 ft. Compact plants with finely cut silver-gray foliage. Used for beds and edgings.....Pkt. 10c

## CHRYSANTHEMUM

### (Annual)

- 1285 Height 20 in. Daisy-like flowers in attractive color combinations of yellow, brown, red rose and white. Useful for mass color effects and excellent for cutting. Bloom all summer..... ¼ oz. 25c; pkt. 10c

### CHRYSANTHEMUM, Shasta Daisy (Perennial)

- 1290 Height 2 ft. June-Aug. Bears large white flowers on long stems; invaluable for cutting. Very free flowering.....Pkt. 10c

CHINESE LANTERN, see Physalis, page 56.

### CLARKIA (Annual)

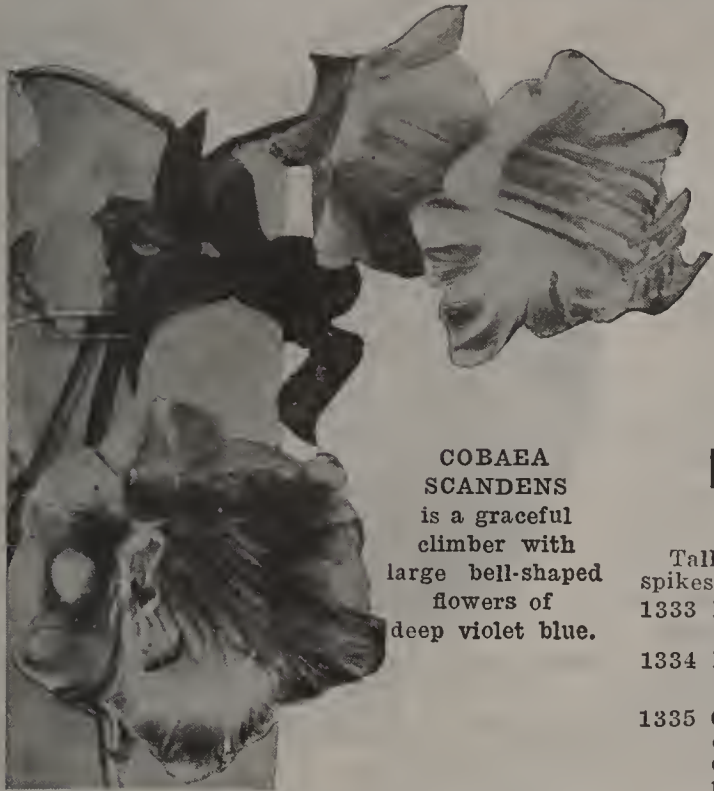
- 1300 **ELEGANS DOUBLE MIXED.** Height 2 ft. Plants send up a mass of slender, upright branches, with each branch covered for almost its entire length with charming rosette-like flowers, resembling the sprays of Flowering Almond... ¼ oz. 50c; pkt. 10c

### CLEOME, Spider Plant (Annual)

- 1302 Height 3-4 ft. Striking plants with large interesting flowers of vivid rose, with long thread-like stamens extending out beyond the petals. Thrive in sandy soil and sunny position.....Pkt. 10c

# Cosmos "Pink Sensation" is Ideal for Cutting

## cosmos



**COBAEA SCANDENS**  
is a graceful climber with large bell-shaped flowers of deep violet blue.

### COBAEA SCANDENS or Cathedral Bells (Annual Climber)

1303 Height 15-20 ft. A rapid-growing, handsome climber with beautiful bell-shaped flowers 1½ inches across and 2 inches long. Flowers open a clear green, gradually changing to deep violet blue. Particularly desirable for covering arbors, walls, etc.....Pkt. 10c

### COLEUS (Tender Perennial)

1305 Height 12-18 in. Handsome foliage plants valuable for bedding borders and window boxes. The leaves are large, of various shapes, marked and bordered in brilliant color combinations. Finest mixed.....Pkt. 10c

COLUMBINE, see Aquilegia, page 48.

CORALBELLS, see Perennial Plants, page 60.

CORNFLOWER, see Centaurea, page 50.

## COREOPSIS (Perennial)

Height 2 ft. Large orange-yellow flowers on long graceful stems. Bloom profusely during the summer and fall, affording a constant supply of cut flowers.

1308 **MAYFIELD GIANT.** Tall vigorous plants with long stiff stems and very large flowers of rich golden yellow.....Pkt. 15c

1309 **DOUBLE YELLOW.** This new form is very popular, the extra petalage adding a further charm to the immense bright yellow flowers.....Pkt. 15c

### CYNOGLOSSUM Chinese Forget-Me-Not (Annual)

1318—**AMABILE**, 18-24 in. Of easy culture, producing large sprays of bright blue Forget-me-not-like flowers all summer. Splendid in bouquets.....Pkt. 10c

### CYPRESS VINE (Annual Climber)

1319 Height 10-15 ft. A good vine for training on a light ornamental trellis. Bears a profusion of star-shaped scarlet and white blossoms from midsummer to frost. Fine fern-like foliage. ½ oz. 30c; pkt. 5c

### DATURA, Angel's Trumpet (Annual)

1325 **CORNUCOPIA.** 2-3 ft. Handsome sub-tropical plants with immense trumpet-shaped, fragrant flowers of creamy white with violet markings. Blooms from early summer to fall.....Pkt. 10c

Easily grown Annuals, indispensable for summer and autumn cutting. Young plants should be spaced 2 feet apart, and the tops pinched out so that they will branch freely.

1310 **EARLY FLOWERING MAM-MOTH MIXED.** 4-6 ft. Contains soft shades of crimson, rose, pink and lavender.....Pkt. 10c

1311 **PINK SENSATION.** Height 4 ft. This giant flowered early strain produces blooms of immense size, 4-5 inches or more in diameter, with broad, heavy fluted petals. Ideal for cut flower use. Pkt. 20c

1312 **ORANGE FLARE.** 3 ft. Blooms in less than four months from seed. Flowers are a deep brilliant orange, with handsome light green foliage.....Pkt. 15c

1314 **DOUBLE EARLY FLOWERING MIXED.** 3-4 ft. Combines the beauty of the double-crested with the earliness of the single type. Mixed colors.....Pkt. 15c

## DELPHINIUM

### Hardy Larkspur (Perennial)

Tall, stately perennials with immense spikes of beautiful flowers in June.

1333 **BELLAMOSUM.** Rich, deep blue. ....Pkt. 20c

1334 **BELLADONNA.** Turquoise blue. ....Pkt. 15c

1335 **GOLD MEDAL HYBRIDS.** Flowers range in color from pale lavender to deep blue, with many of them double.....Pkt. 10c

1336 **WREXHAM HOLLYHOCK FLOWERED STRAIN.** Produces spikes of enormous size, with individual blooms from 1½ to 2 inches in diameter, many of them bi-color.....Pkt. 35c

1338 **CHINESE DELPHINIUM "BLUE BUTTERFLY."** Height 3 ft. Flowers are an intense gentian-blue. The foliage is finely cut and fern-like.....Pkt. 10c

DELPHINIUM PLANTS, see page 60.



Stately **FOX GLOVES (Digitalis)** with **CANTERBURY BELLS, PINKS** and **SWEET WILLIAM** in foreground.

New  
Giant Flowering  
**COSMOS,**  
**PINK**  
**SENSATION**



## DIANTHUS

### China Pinks (Annual)

Easily raised from seed, they bloom from early summer until frost.

1340 **SWEET WIVELSFIELD.** A splendid border and cut flower. The blooms are larger than Sweet William, with beautiful brilliant colorings and markings.....Pkt. 15c

1341 **HEDDEWIGI LACINIATUS. DOUBLE MIXED.** 1 ft. Brilliant colors, many striped and mottled..¼ oz. 25c; pkt. 10c

1348 **HEDDEWIGI LACINIATUS. SINGLE MIXED.** 1 ft. Very large fringed flowers ranging from white to deep crimson. Mixed colors.....¼ oz. 25c; pkt. 10c

### DIANTHUS Clove or Grass Pinks (Perennial)

1351 **PLUMARIUS. SINGLE AND DOUBLE MIXED.** 1 ft. Cherished for their spicy fragrance and rich coloring. Fine for rock gardens and edgings.....¼ oz. 25c; pkt. 10c

DIANTHUS BARBATUS, see Sweet William.

### DIDISCUS, Blue Lace Flower (Annual)

1354 Height 2-3 ft. Clusters of lovely umbel-shaped flowers, 2 to 3 inches across are produced from July to frost. The color is an exquisite shade of clear lavender-blue. Desirable for cutting.....¼ oz. 25c; pkt. 10c

### DIGITALIS or Foxglove (Perennial)

1355 Height 3-5 ft. June-July. Showy plants producing many tall spikes closely set with large Gloxinia-like flowers of white, pink, rose and crimson, with beautiful throat markings of purple or maroon. Mixed colors.....Pkt. 10c

### DOLICHOS, Hyacinth Bean (Annual Climber)

1357 Height 10 ft. Large dark green leaves and erect racemes of purple and white flowers, followed by ornamental seed pods of a shining bronze-purple. Grows rapidly.....Oz. 25c; pkt. 10c

ENGLISH DAISY, see Bellis, page 48.

# Godetias are Brilliant Garden Flowers

## GAILLARDIA

### Blanket Flower (Annual)

Brilliant and effective either for garden decoration or cutting. Gaillardias delight in a warm sunny location and light, open, well-drained soil. Sow the seed where they are to bloom.

1379 **INDIAN CHIEF.** 1 ft. Flowers are a glittering, metallic, bronze-red color with dark brown center... ½ oz. 25c; pkt. 10c

1380 **LORENZIANA DOUBLE FINEST MIXED.** 18 in. Colors range from light lemon-yellow to deep orange or scarlet with striking bands and flecks of crimson.... ½ oz. 25c; pkt. 10c

### Gaillardia Grandiflora

#### (Perennial)

One of the few perennials that flower continuously from June to October. They thrive in any position or soil and are perfectly hardy. Invaluable for cutting.

1381 **THE DAZZLER.** 2 ft. Large golden-yellow flowers with rich maroon centers..... Pkt. 15c

1382 **BURGUNDY.** 2 ft. Shining wine-red flowers, 2½ in. in diameter on long, stiff stems..... Pkt. 20c

### GOMPHRENA, Globe Amaranth (Annual)

1390 Height 18-24 in. Bushy plants with clover-like blossoms of purple-red, yellow, rose and white. Very attractive in winter bouquets. They should be cut before they are fully open..... Pkt. 10c

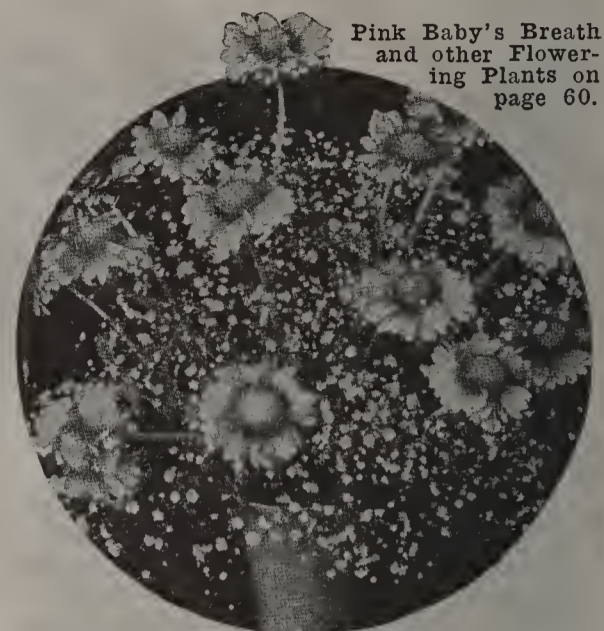
### GOURDS, ORNAMENTAL (Annual Climber)

1393 **SMALL VARIETIES MIXED.** 15-20 ft. Useful for covering arbors, fences, etc. The flowers are often beautiful, and the fruits are oddly shaped and quaintly marked and colored. They make unique table decorations and interesting toys for children..... ½ oz. 20c; pkt. 10c

See Color Illustration on Back Inside Cover.

Every  
garden  
has a  
place  
for a  
group  
of tall  
stately

**HOLLYHOCKS.**



Pink Baby's Breath and other Flowering Plants on page 60.

Misty sprays of GYPSOPHILA combined with brightly colored GAILLARDIAS.

### HELIOPSIS, Orange Sunflower (Perennial)

1428 **PITCHERIANA.** 3-4 ft. Large golden-yellow flowers, 2 in. across, are produced on long stiff stems. Brilliant in the garden and fine for cutting. Blooms all summer... Pkt. 10c

### HOLLYHOCKS, (Perennial)

Stately ornamental plants 6 to 8 feet high, indispensable for the background of perennial borders. Bloom in July.

1434 **DOUBLE IMPERATOR IMPROVED.** Large fringed flowers 6 inches across, the center forming a double rosette. Colors range from delicate pink through cerise-salmon... Pkt. 20c

1437 **DOUBLE MIXED.** Colors: yellow, salmon, rose, red and maroon... ¼ oz. 50c; pkt. 10c

1440 **ANNUAL EVERBLOOMING.** 3-5 ft. Valuable for sowing where hardy Hollyhocks have failed to survive. Mixed colors.... ¼ oz. 35c; pkt. 10c

### HUNNEMANNIA or Tulip Poppy (Annual)

1444 **SEMI-DOUBLE SUNLITE.** Height 18 in. July to September. Flowers clear canary-yellow, about 3 in. across. Unlike other double flowers, this novelty develops a band of short petals on the outside of the cup, which adds to its size and attractiveness... Pkt. 20c

IBERIS, see Candytuft, page 50.

### ESCHSCHOLTZIA

#### California Poppy (Annual)

1365 **RAMONA HYBRIDS FINEST MIXED.** Flowers beautifully frilled and incurved. .... Pkt. 15c

1366 **DOUBLE CHOICE MIXED.** Large double flowers in brilliant shades..... ½ oz. 30c; pkt. 10c

FEVERFEW, see Matricaria, page 53.

FORGET-ME-NOT, see Myosotis, page 54.

### FOUR O'CLOCKS, Marvel of Peru

1370 Height 2-3 ft. Erect, bushy plants with dense glossy foliage and hundreds of long-tubed, funnel-shaped flowers of white, yellow, crimson or striped. They remain closed until 4 o'clock in the afternoon when the plants become a glowing mass of color..... Oz. 25c; pkt. 5c

FOXGLOVE, see Digitalis, page 51.

### GERANIUM (Tender Perennial)

1384 **ZONALE.** Of easy culture, producing blooming plants the first summer from spring-sown seed. Valuable for bedding, borders, window boxes and house culture. Mixed colors..... Pkt. 10c

### GILIA, Queen Anne's Thimble (Annual)

1387 **CAPITATA.** 2 ft. Erect bushy plants with fine feathery foliage and globe-shaped flowers of a rich lavender-blue. Good for cutting, as the blooms last well in water... ¼ oz. 25c; pkt. 10c

### GODETIA or Satin Flower (Annual)

1388 **UPRIGHT SINGLE FINEST MIXED.** 15 in. Exceedingly lovely for cutting. The flowers are large and trumpet-shaped, and come in shades of pink, white and crimson. The petals have a rich, satiny texture and look as though dusted with pulverized diamonds. Thrive best in cool, deep soil.... Pkt. 10c



The petals of GODETIA have a rich, satiny sheen.

### GYPSOPHILA

#### Baby's Breath (Perennial)

1410 **PACIFICA.** New rose-pink form, coming into bloom after the paniculata variety has passed..... Pkt. 25c

1415 **PANICULATA.** 2-3 ft. Plants are branchy and spreading with stiff, wiry stems and minute white flowers, producing a graceful misty effect. Used extensively with cut flowers as well as for winter bouquets.... ¼ oz. 25c; pkt. 10c

### ANNUAL GYPSOPHILA

Graceful branching plants with clusters of delicate flowers about one-half inch across. Beautiful in bouquets with other flowers.

1416 **ELEGANS GRANDIFLORA ALBA.** 1-2 ft. Large-flowering pure white..... ½ oz. 20c; pkt. 5c

1417 **ELEGANS GRANDIFLORA ROSEA.** 1-2 ft. Beautiful soft pink... ½ oz. 20c; pkt. 5c

HELIANTHUS, see Sunflower, page 56.

### HELICHRYSUM, Everlasting or Strawflower (Annual)

1425 Height 2-3 ft. Large double flowers, 1-1½ in across, are produced all summer. Colors range from yellow, orange, red and rose to white. Splendid for winter bouquets.... ¼ oz. 25c; pkt. 10c



ANNUAL GAILLARDIAS furnish an abundance of cut flowers even during a hot, dry summer.

# Grow Lunaria for Winter Bouquets



**MARIGOLD ROYAL SCOT** has velvety brown flowers with golden-yellow stripes.

## ICE PLANT (Annual)

1446 **MESEMBRYANTHEMUM CRYSTALLINUM**. Height 6 in. A curious trailing plant, with thick succulent leaves covered with glistening ice-like globules. The flowers are pinkish-white. Very popular for rock gardens and dry sunny borders..... $\frac{1}{4}$  oz. 15c; pkt. 5c

## JOB'S TEARS (Annual)

1448 **COIX LACHRYMAE**. Height 2-4 ft. An ornamental grass, with broad, glistening leaves. Bears curious shiny seeds which may be strung and used as beads. Pkt. 5c

## KOCHIA, Summer Cypress (Annual)

1465 Height 2-2 $\frac{1}{2}$  ft. Plants are erect, much-branched and densely pyramidal resembling small closely-sheared evergreens. Foliage is feathery soft bright green, turning to red in fall.  $\frac{1}{4}$  oz. 25c; pkt. 10c



**MARIGOLD DIXIE SUNSHINE**. A beautiful Chrysanthemum-flowered type.

## Double African Marigolds

- 1500 **LEMON QUEEN**. 30 in. Large double-quilled flowers of lemon yellow. .... $\frac{1}{8}$  oz. 30c; pkt. 10c
- 1501 **PRINCE OF ORANGE**. 30 in. Immense double-quilled flowers with ends of petals slightly frilled. Color is a deep golden orange. .... $\frac{1}{8}$  oz. 30c; pkt. 10c
- 1502 **FINEST MIXED VARIETIES**. All shades from pale yellow to deep orange. .... $\frac{1}{4}$  oz. 20c; pkt. 5c

## LARKSPUR

### Giant Imperial (Annual)

One of the gayest of the summer-blooming annuals, and especially valuable for cutting. The spikes are heavily covered with fully double flowers; individual florets are large and closely placed on the stems. Height 3-4 feet.

- 1470 **BLUE BELL**. Azure blue.  
1471 **BLUE SPIRE**. Deep violet-blue.  
1472 **DAZZLER**. Rich scarlet.  
1473 **MISS CALIFORNIA**. Deep rose on salmon.  
1475 **GIANT IMPERIAL MIXED**.

Each of the above,  $\frac{1}{4}$  oz. 40c; pkt. 10c.

**HARDY LARKSPUR**, see Delphinium, page 51.  
**HARDY LARKSPUR PLANTS**, see page 60.

## LATHYRUS

### Perennial Pea (Perennial Climber)

1480 **LATIFOLIUS**. 6-8 ft. A decorative vine for a trellis or fence. The flowers are borne in large clusters all summer, and are splendid for cutting. Mixed colors: rose, white and crimson. Once established, the roots should not be disturbed .....Pkt. 10c

### LEPTOSIPHON (Annual)

1484 **FRENCH HYBRIDS**. 8-12 in. A charming annual for borders and beds. When planted in masses they form a sheet of trumpet-shaped flowers, ranging from yellow to rose and ivory. Bloom all summer .....Pkt. 10c

## LIATRIS

### Gay Feather or Blazing Star (Perennial)

1485 **PYCNOSTACHYA**. 4 ft. Thick grass-like foliage and long narrow spikes of rich purple flowers from July to September. Much in demand for cutting purposes as the flowers last long in water. ....Pkt. 15c

### LINARIA, Maroccana (Annual)

1486 Height 12-18 in. Flowers are small and dainty, resembling miniature snapdragons. The colors range through crimson and gold, pink, mauve, blue and rose. Bloom in about 8 weeks from seed and are excellent for cutting.....Pkt. 15c

### LOBELIA, Crystal Palace (Annual)

1489 Height 6 in. Plants form compact little bushes covered with brilliant, deep blue flowers throughout the summer. Desirable for edgings, bedding and pot culture..... $\frac{1}{8}$  oz. 50c; pkt. 10c

## LUNARIA or Honesty (Biennial)

1490 Height 2 ft. Has purple flowers followed by shiny silvery seed pods. It is called "Honesty" because the seeds can be seen through the pods. Also known as St. Peter's Penny. Very attractive in winter bouquets combined with Physalis and other Everlastings.....Pkt. 10c



**GIANT IMPERIAL LARKSPUR**  
Note the close spacing of flowers on spike—each floret fully double.

## LUPINS

### Hartwegii (Annual)

1493 Height 2 ft. Tall graceful spikes of pea-shaped flowers in delicate shades of blue, lavender, pink and white. If cut as they mature the plants continue to bloom.. .... $\frac{1}{2}$  oz. 25c; pkt. 10c

### LUPINS, Polyphyllus (Perennial)

1494 Height 3-4 ft. Plants form tufts of deeply cut dark green foliage, from which arise the stately spikes of bloom in delicate shades of blue, mauve, pink and yellow.....Pkt. 10c

# MARIGOLDS

## Marigold Novelty Strains

- 1495 **SUNSET GIANTS**. 3 $\frac{1}{2}$  ft. Largest of all Marigolds, averaging over 5 inches in diameter. Sweet-scented. Colors include golden orange and various shades of yellow.....Pkt. 20c
- 1496 **DIXIE SUNSHINE**. 2 $\frac{1}{2}$  ft. A tall, stately, Chrysanthemum-flowered type, very late flowering. The brilliant golden yellow flowers are made up of tiny five-petaled florets, gracefully interlocked... ..Pkt. 20c  
Seed must be started indoors in March.
- 1497 **CROWN OF GOLD**. 2 $\frac{1}{2}$  ft. Large orange flowers with centers of short, quilled petals and a collar of flat guard petals. Odorless..... $\frac{1}{4}$  oz. 50c; pkt. 10c
- 1498 **YELLOW SUPREME**. 2 ft. The flowers are semi-double, loosely ruffled, of a rich, creamy yellow color..  $\frac{1}{4}$  oz. 50c; pkt. 10c
- 1499 **GOLDEN EAGLE** (Improved Guinea Gold). 2 $\frac{1}{2}$  ft. A luminous gold color. Superb for cutting.....Pkt. 20c

## French Marigolds

- 1503 **DOUBLE HARMONY**. 1 ft. Unique in color, with rich deep orange center petals surrounded by broad, velvety maroon-brown guard petals. Extremely early, free flowering and different from any other Marigold..  $\frac{1}{4}$  oz. 50c; pkt. 10c
- 1504 **ROYAL SCOT**. 2 $\frac{1}{2}$  ft. A striking combination of mahogany and gold in symmetrical stripes radiating from the center of the flower...  $\frac{1}{4}$  oz. 50c; pkt. 10c
- 1505 **DWARF DOUBLE MONARCH**. A compact type with large double flowers, in combinations of orange, bronze, yellow and mahogany. Splendid for borders and edging..  $\frac{1}{4}$  oz. 20c; pkt. 5c

**NATIONAL Eezy Wear** Durable  
GLOVES Washable  
Give Your Hands a Beauty Treatment While You Work.  
For Prices See Page 61.

Marigold "Double Harmony" has a golden-orange center bordered by rich maroon.



The new **DOUBLE NASTURTIUMS** are miracles of beauty. For making up bouquets in low bowls we could not recommend more striking and effective flowers.

## MATRICARIA

Feverfew (Tender Perennial)

- 1512 **CAPENSIS**. 18-24 in. Plants are bushy in growth, with finely cut leaves and clusters of small, tightly double, white flowers. Excellent for pot plants, bedding and cutting.....Pkt. 10c

**MATTHIOLA**, see Stock, page 57.

## MIGNONETTE, Reseda (Annual)

- 1516 **MACHET**. 12-15 in. Immense compact spikes of blossoms with a delicate fragrant odor are produced throughout the summer and until late in the fall. Fine for cutting..... $\frac{1}{4}$  oz. 25c; pkt. 10c

## MORNING GLORY

*Ipomea* (Annual Climber)

Beautiful vines of luxuriant growth, covered with large, variously colored flowers all summer. Splendid for covering trellises, arbors and porches.

- 1524 **MOONFLOWER**. Immense pure white fragrant flowers that open at night and on cloudy days.... $\frac{1}{2}$  oz. 25c; pkt. 10c
- 1525 **SCARLETT O'HARA**. A new color in Morning Glories. Rich wine-red or deep crimson. Very showy. For early flowering, the seed should be started in pots in March.....Pkt. 15c
- 1526 **IMPROVED HEAVENLY-BLUE**. Vines are a mass of lovely sky-blue flowers,  $2\frac{1}{2}$ -3 inches across, from early summer to frost.....Pkt. 15c
- 1527 **JAPANESE MIXED**. Flowers are ruffled and fluted from throat to margin. Colors: red, rose, garnet, blue, purple, etc..... $\frac{1}{2}$  oz. 20c; pkt. 5c
- 1528 **BRAZILIAN MORNING GLORY**. Rosy purple..... $\frac{1}{2}$  oz. 25c; pkt. 10c

Moss Rose, see Portulaca, page 55.

MOURNING BRIDE, see Scabiosa, page 56.

## MYOSOTIS or Forget-Me-Not (Perennial)

- 1535 Height 4-9 in. Plants are of compact habit with large clusters of exquisite clear blue flowers. Flourish in moist shady positions. Require winter protection.....Pkt. 10c

**SWEET  
SCENTED**

# Double Nasturtiums

The Double Gleam and Tall Flowering varieties quickly cover sunny slopes, stone walls or bare spots in the rock garden, while the dwarf sorts are excellent border and edging plants

- 1569 **APRICOT GLEAM**. Large, double sweet-scented flowers of primrose-yellow, suffused with salmon-pink and blending into a lovely shade of apricot....Pkt. 15c
- 1570 **DOUBLE GOLDEN GLEAM**. The large, golden-yellow, double flowers are sweet-scented. The trailing plants are very ornamental and produce a wealth of blossoms.....Oz. 20c; pkt. 10c
- 1571 **DOUBLE SCARLET GLEAM**. Fiery scarlet, semi-double flowers, with ruffled petals. Fragrant..Oz. 30c; pkt. 10c
- 1572 **DOUBLE GLORIOUS GLEAM HYBRIDS**. Gorgeously colored flowers of salmon, yellow, cream, orange, scarlet, maroon and rose shades. Sweet scented .....Oz. 20c; pkt. 10c

- 1573 **DWARF DOUBLE GEM MIXTURE**. The ideal plant for border and edging use. Dwarf, compact, totally without runners, the plants produce fragrant, semi-double flowers of good size. The color range includes shades of rose, salmon, yellow and scarlet .....Pkt. 20c

- 1574 **DWARF SINGLE MIXED**. 1 ft. Giant flowers in a great variety of gay color combinations as well as the brilliant self-colored sorts..... $\frac{1}{4}$  lb. 40c; oz. 15c; pkt. 8c

- 1575 **TALL GIANT FLOWERING MIXED**. 6 ft. Excellent for hanging baskets, window boxes or for covering fences or walls..... $\frac{1}{4}$  lb. 40c; oz. 15c; pkt. 8c

## NEMOPHILA, "Baby Blue Eyes" (Annual)

- 1537 Height 6 in. Blooms quickly from seed and continuously from spring until frost. Showy bell-shaped flowers in shades of blue, white and violet. Fine for edging and borders. Prefers a moist, partially shaded position.....Oz. 30c; pkt. 10c

## NEMESIA (Annual)

Dwarf annuals which make pleasing masses of low growth for foreground beds and edging. The orchid-like flowers are often an inch across.

- 1538 **STRUMOSA GRANDIFLORA**. 1 ft. A splendid strain of large flowered sorts, ranging in color from yellow, orange and blue to red.....Pkt. 15c
- 1539 **NANA COMPACTA ORANGE PRINCE**. 8 in. Brilliant orange blooms on round compact plants.....Pkt. 20c

## NICOTIANA, Flowering Tobacco (Annual)

- 1540 Height 2-3 ft. Plants are of branching habit, and bloom continuously from early summer until frost. The flowers resemble petunias, but have a longer tube. They open toward evening and emit a heavy fragrance. Hybrids mixed..... $\frac{1}{4}$  oz. 25c; pkt. 10c

## NIGELLA, Love-in-a-Mist (Annual)

- 1545 **MISS JEKYLL**. Height 18 in. Plants are compact and free-flowering with finely cut foliage and large semi-double flowers of a lovely cornflower-blue on long stems..... $\frac{1}{4}$  oz. 30c; pkt. 10c

# New Giant Pansies

IMPROVED STRAINS



PANSY  
PLANTS  
on  
Page 83

The seed may be started indoors in February or in a cold frame in March, in carefully pulverized rich soil. Transplant to open ground in May.

If flowers are picked regularly, the plants will continue to bloom until frost. Protect with a mulch of straw, or similar material in fall, and they will endure hard winters with perfect safety.

## ROGLI SWISS GIANTS

- 1606 **ALPENGLOW**. Beautiful cardinal and garnet red shades.....Pkt. 20c
- 1608 **LAKE OF THUN**. Ultramarine blue with darker blotches.....Pkt. 20c
- 1609 **RHEINGOLD**. Yellow with mahogany blotches on lower petals....Pkt. 20c  
One pkt. each above for 50c.
- 1628 **ROGLI SWISS GIANTS MIXED**. Gigantic flowers of heavy texture on strong stems. The colors are choice and rare, surpassing in quality and range all other Swiss Giants.  
..... $\frac{1}{8}$  oz. \$1.25; pkt. 25c

## SPECIAL MIXTURES

- 1620 **ENGLEMANN'S SPECIAL GIANT**. Re-selected to a strain of immense flowers from the old Scottish Show type. Bronze and reddish shades. Vigorous, compact and early flowering.....Pkt. 35c
- 1629 **MASTERPIECE OR RUFFLED PANSIES**. A remarkable strain of Giant Pansies with beautifully frilled petals, so full as to appear almost double. Rich colors, with dark velvety shades predominating.... $\frac{1}{8}$  oz. 75c; pkt. 15c
- 1631 **TRIMARDEAU MIXTURE**. A superior strain, with robust deep-rooting plants and flowers of mammoth size and great substance. Choice mixed colors..... $\frac{1}{8}$  oz. 30c; pkt. 10c

# Large Flowering Petunias

PETUNIAS surpass all other annuals for bedding purposes. They thrive in poor soil and under the most adverse conditions and bloom continuously throughout the summer until killed by heavy frosts. Seed started in the hotbed in April will produce blooming plants in June.

## Giant Flowering Varieties

### 100% All-Double Giant Fringed

1653—**ALL-DOUBLE GIANT FRINGED MIXED.** This wonderful new strain produces 100% double-flowering plants. The flowers are exquisitely fringed and often measure 5 inches across. An extra fine mixture of bright and intermediate shades.....Pkt. 50c

### Giant Single Flowering Ruffled

1655 **GIANTS OF CALIFORNIA MIXED.** Enormous flowers, fringed and ruffled, with attractive deep throats beautifully marked and veined. A well-balanced mixture of light and dark colors, including copper-red, rose and pink..Pkt. 25c



GIANTS OF CALIFORNIA are the largest Single Petunias known.

## Balcony Varieties

Particularly recommended for porch and window boxes. The plants are of trailing habit, with immense single flowers, three inches in diameter. Produced in great abundance from early summer until killed by frost.

- 1656 **DEEP BLUE.** Beautiful deep violet-blue .....Pkt. 15c
- 1657 **DAMASK ROSE.** Brilliant Tyrian rose. ....Pkt. 15c
- 1658 **STAR OF CALIFORNIA.** Violet, shaded crimson and starred with five pure white blotches.....Pkt. 25c
- 1659 **BLACK PRINCE.** Deep rich velvety red .....Pkt. 15c

## Bedding Varieties

Dense bushy little plants, 8-12 inches high, literally covered with flowers. Indispensable for borders, pots, rock gardens and bedding.

- 1647 **GENERAL DODDS.** A deep crimson, rich and velvety.....Pkt. 10c
- 1648 **COCKATOO.** Violet-purple with irregular white spots and stars.....Pkt. 20c
- 1649 **ROSE OF HEAVEN.** Brilliant rose. ....Pkt. 10c
- 1650 **VIOLACEA.** Deep rich violet-blue. ....Pkt. 15c
- 1651 **FINEST MIXED BEDDING PETUNIAS.** .....¼ oz. 40c; pkt. 10c

PETUNIA PLANTS, see pages 82 and 83.

PENTSTEMON PLANTS, see page 60.

## PHYSALIS, Chinese Lantern Plant (Perennial)

- 1675 **FRANCHETTI.** 18-24 in. Plants form dense bushes and bear bright, orange-scarlet pods, resembling miniature Chinese lanterns. May be dried and used for winter bouquets. Very attractive when combined with Lunaria. ....Pkt. 10c

PINKS, see Carnation, Dianthus and Sweet William.

## PLATYCODON, Chinese Bell or Balloon Flower (Perennial)

- 1679 **GRANDIFLORA BLUE.** Height 18-24 in. Handsome compact-growing plants, bearing an abundance of broad, bell-shaped blue flowers in July. The flowers when in bud have the appearance of inflated balloons.....Pkt. 10c

## PYRETHRUM Painted Daisy (Perennial)

Valuable hardy garden plants with beautiful daisy-like flowers in all shades of pink, rose and crimson. Their long flowering period, long stems and wonderful lasting properties make them very popular for cutting. Height 1-2 feet.

- 1725 **SINGLE MIXED**... ¼ oz. 50c; pkt. 10c
- 1726 **DOUBLE MIXED**.....Pkt. 25c

## New Annual Phlox

### Drummondii Grandiflora

Improved Annual Phlox rivals in size the hardy perennial varieties and is unsurpassed for massing and bedding. It provides an un-failing display of color and cut flowers from early July until well into October.

- 1664 **GIGANTEA ART SHADES.** 9 in. A new strain with enormous flowers in a wonderful range of colors. Blended together with a complete absence of harsh colors, this mixture forms a color combination never before seen in Annual Phlox.....Pkt. 20c
- 1666 **FINEST BEDDING MIXED.** 12 in. ....¼ oz. 35c; pkt. 10c
- 1673 **STAR CHOICE MIXED.** 12 in. ....¼ oz. 40c; pkt. 10c

For HARDY PHLOX PLANTS, see page 60.

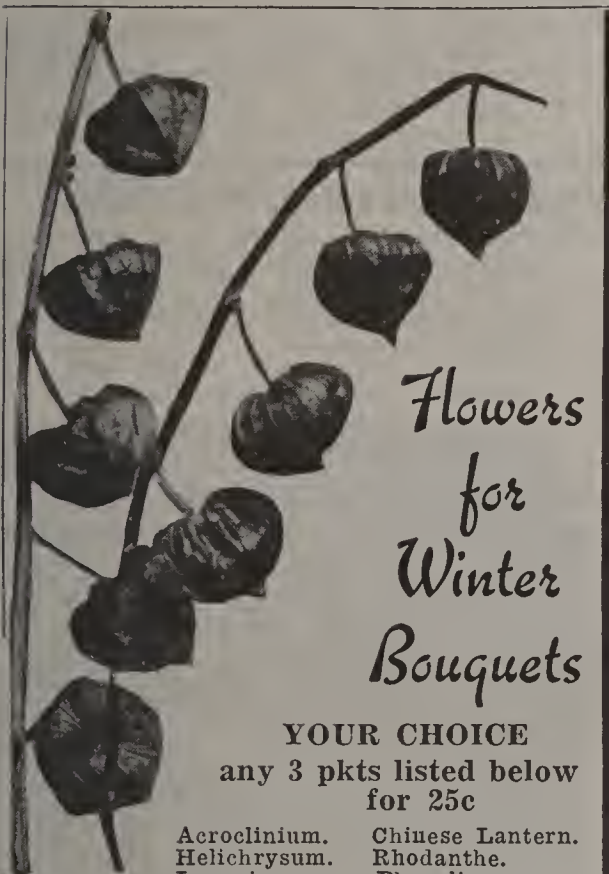


Sow **PORTULACA** in low border edgings, between stepping stones and in the rock garden. It makes a brilliant floral carpet.

## PORTULACA Moss Rose (Annual)

Plants have thick creeping foliage covered with a profusion of gay, rose-like flowers in brilliant colors. They delight in a dry sunny position and sandy soil.

- 1712 **SINGLE MIXED**.... ¼ oz. 20c; pkt. 10c
- 1713 **DOUBLE MIXED**... ¼ oz. 75c; pkt. 10c



## Flowers for Winter Bouquets

**YOUR CHOICE**  
any 3 pkts listed below  
for 25c

Acroclinium. Chinese Lantern.  
Helichrysum. Rhodanthe.  
Lunaria. Physalis.

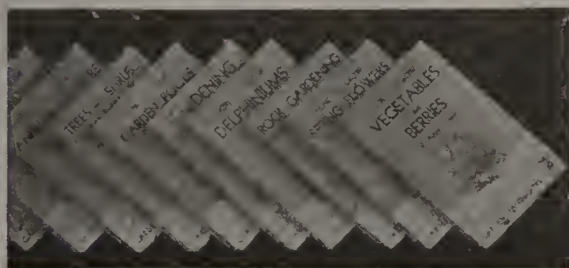
## Garden Books

### 25c Series

Authors are Noted Experts in Their Respective Fields..

1. Gardening for the Small Place.
2. Rock Gardening for the Small Place.
3. How to Make Garden Pools.
4. How to Plan the Home Landscape.
5. How to Grow Spring Flowers from Bulbs.
6. Trees and Shrubs for the Small Place.
7. How to Grow Annual Flowers.
8. How to Grow Lilies in the Garden.
9. How to Grow Delphiniums.
10. How to Grow Vegetables and Berries.

Just the Practical Help You Have Wanted. 25c Each.



# New Iceland Poppies to Brighten the Garden



NEW ICELAND POPPY "EMPEROR" with silky-textured, fluted flowers of deep tangerine orange.

## ANNUAL POPPIES

- 1691 **AMERICAN LEGION.** An improved variety of Flanders Poppy. Flowers are a brilliant orange-scarlet of enormous size, on long stout stems. .... ¼ oz. 25c; pkt. 10c
- 1692 **GIANT SHIRLEY (Silk or Ghost).** 1 ft. Beautiful satiny flowers, 4 inches across, with fluted, crinkled petals. Colors contain delicate shades of rose, apricot, salmon-pink and crimson with occasional blues. Foliage is hairy and finely cut. .... Oz. 30c; pkt. 10c
- 1695 **DOUBLE SHIRLEY POPPY, "Sweet Briar,"** Deep rose-pink flowers, full and double. Resembles a large double Begonia. .... Pkt. 15c
- 1704 **SINGLE MIXED.** Especially fine for massing. Large flowers in a great variety of colors. .... Oz. 25c; pkt. 10c
- 1705 **DOUBLE CARNATION FLOWERED.** Immense double flowers with fringed petals, many striped. Finest mixed colors. .... Oz. 30c; pkt. 10c

CALIFORNIA POPPY, see Eschscholtzia, page 52.

## PERENNIAL POPPIES

### Iceland Poppies (Nudicaule)

To brighten the garden, you can make no better choice than the new improved Iceland Poppies. They bear immense flowers with broad, deeply-fluted petals, giving a semi-double effect. Bloom freely the first year from seed if sown early.

- 1707 **THE EMPEROR.** 18 in. Deep tangerine, orange ..... Pkt. 20c
- 1708 **THE EMPRESS.** 18 in. Shades of salmon and rose-pink ..... Pkt. 20c
- 1709 **YELLOW WONDER (Amurensis).** 1937 All-America Selection. 24 in. Bright buttercup yellow. Heat and drought resistant ..... Pkt. 20c

### ORIENTAL POPPY

1710 Height 2-3 ft. For gorgeous coloring Oriental Poppies have few rivals among hardy plants. The flowers are often 6 inches across and are borne on tall stems. Produce a magnificent effect in the shrubbery or hardy border. Pkt. 10c

## RHODANTHE, Everlasting (Annual)

- 1729 **MANGLESII ROSE.** 1 ft. One of the few everlastings which retains its grace and beauty after being dried. The flowers should be cut before they fully expand to retain their beautiful bell form ..... Pkt. 10c

## RICINUS or Castor Bean (Annual)

- 1730 **RED SPIRE.** 6-8 ft. Foliage plants of luxuriant and rapid growth, valuable for backgrounds and screens, producing a rich tropical effect. The leaves are of enormous size, deeply lobed and conspicuously veined, dark green and bronze in color ..... Oz. 25c; pkt. 8c

## SALPIGLOSSIS, Painted Tongue or Velvet Flower (Annual)

- 1741 Height 2-2½ ft. Beautiful velvety petunia-like flowers, greatly prized for cutting. They range in color from various shades of purple and blue through red and yellow to creamy white, delicately veined and penciled with gold. Bloom from July to frost ..... ¼ oz. 50c; pkt. 10c

## SALVIA Scarlet Sage (Annual)

Handsome summer and autumn-flowering annual with brilliant flowers; very effective for massing, bedding and cutting. Useful also for window box and pot plants.

- 1745 **SPLENDENS.** 2-3 ft. Plants are much branched with large spikes of bright scarlet flowers produced in profusion during the summer and fall. This is the old favorite bedding variety ..... ¼ oz. 75c; pkt. 10c
- 1746 **FIREBALL.** 15-18 in. Compact plants with fiery scarlet flowers on massive spikes, erect and stiff; over 200 spikes to a plant is not unusual. .... ½ oz. 65c; pkt. 10c

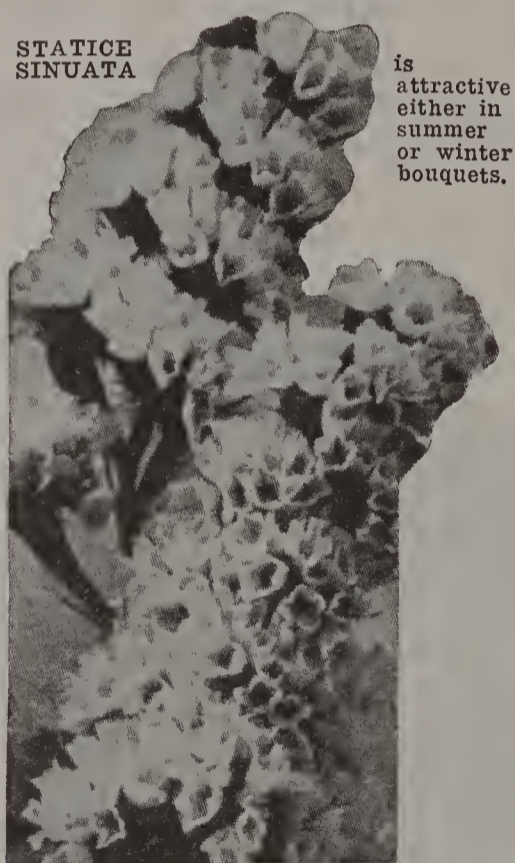
## SAPONARIA, Soapwort (Annual)

- 1749 **VACCARIA ROSEA.** 2 ft. Produce a profusion of light graceful sprays of satiny-pink flowers. Charming in bouquets combined with other flowers. .... ½ oz. 25c; pkt. 5c

## SCABIOSA CAUCASICA, Blue Bonnet (Perennial)

- 1758 **GIANT HYBRIDS.** Height 18-24 in. Handsome hardy plants that thrive in ordinary garden soil. The semi-double flowers are 2 to 3 inches across and are borne on long stout stems; color is an exquisite lavender-blue shading to deep blue. Exceptionally good for cutting ..... Pkt 15c

STATICE SINUATA



is attractive either in summer or winter bouquets.

## SCABIOSA

### Pin-cushion Flower (Annual)

Showy in the garden and one of the finest annuals for cutting. Bloom continuously from early summer until frost, in a wide range of rich, beautiful colors. They grow 2 to 3 feet high, with flowers on long slender stems; also known as Mourning Bride.

- 1750 **ROSETTE.** Deep rose suffused salmon. .... Pkt 25c  
See color illustration, page 44.
- 1751 **KING OF THE BLACKS.** Reddish-black.
- 1752 **AZURE FAIRY.** Delicate lavender-blue.
- 1755 **FIERY SCARLET.**
- 1757 **FINEST MIXED.**  
Each of the above, ¼ oz. 30c; pkt. 10c.

## SCARLET RUNNER BEAN (Annual Climber)

- 1760 Brilliant scarlet flowers followed by green shell beans excellent for table use ..... Lb. 30c, ½ lb. 17c; pkt. 5c

## SCHIZANTHUS, Butterfly Flower (Annual)

1764 Height 18-24 in. Plants are of bushy luxuriant growth, with delicate finely-cut foliage and exquisite orchid-like flowers in a great range of bright colors, blotched and marked in contrasting shades. One of the daintiest of annuals ..... Pkt. 10c

SHASTA DAISY, see page 50.

SNAPDRAGON, see Antirrhinum, page 48.

## STATICE, Sea Lavender (Annual)

1769 **SINUATA.** 1-2 ft. Suitable for growing in rock gardens and charming when dried for winter bouquets. The flowers are produced in racemes on long, graceful stems. Colors: rose, blue and white; retains its true colors when dried. ½ oz. 20c; pkt. 5c

## STEVIA (Annual)

1770 **SERRATA.** 2 ft. A fine bouquet mixer. Sprays of small white, sweetly-scented flowers are borne on long slender stalks. Flowers quickly after sowing. Covered with litter or straw plants often survive the winter ..... Oz. 65c; pkt. 10c



SALPIGLOSSIS is one of the most richly colored of all garden flowers.

# Sweet Peas

MAYFAIR—  
delicate  
shell-pink.

## Giant Orchid Flowering Spencer

Selected from more than 340 named varieties, and especially recommended by the National Sweet Pea Society (Britain) as the best for general garden culture.

### Pink and Rose

- 1837 LUSTRE. Carmine-rose.....Pkt. 10c  
1838 SHIRLEY TEMPLE. Frilled rose-pink.  
.....Pkt. 15c  
1839 PINK FRILLS. Salmon-pink..Pkt. 10c  
1844 ETHEREAL. Peach, suffused rose....  
.....Pkt. 10c  
1847 MAYFAIR. Shell-pink.....Pkt. 10c  
1851 JACK HOBBS. Cream, flushed scarlet-  
pink.....Pkt. 10c

### Cream and White

- 1841 GRAND NATIONAL. Rich cream.....  
.....Pkt. 10c  
1848 SEXTET QUEEN. White, 5-6 blooms  
on stem.....Pkt. 10c

### Scarlet and Crimson

- 1843 RUFFLED CRIMSON. Rich crimson..  
.....Pkt. 15c  
1846 WELCOME. Dazzling scarlet..Pkt. 10c  
1853 HOLLYBERRY. Scarlet, flushed orange  
.....Pkt. 15c  
1857 MAHOGANY. Crimson, overlaid copper  
.....Pkt. 15c  
1858 CHARMING. Cerise.....Pkt. 10c

### Salmon and Orange

- 1842 MAVIS. Sunproof salmon-orange.....  
.....Pkt. 15c  
1854 BEATALL. Pink, suffused salmon....  
.....Pkt. 10c

### Purple and Lavender

- 1840 OLYMPIA. Rich purple.....Pkt. 10c  
1845 AMBITION. Lavender.....Pkt. 10c

### Blue

- 1852 FORTUNE. Rich, dark blue..Pkt. 10c  
1855 BLUE BELL. Clear blue.....Pkt. 10c

### Various Shades

- 1849 BLACK DIAMOND. Maroon..Pkt. 15c  
1856 GEM. Pink picotee on white ground  
.....Pkt. 15c  
1865—RAINBOW MIXED SPENCER. Giant  
Waved Spencer varieties in a complete  
color range. ¼ lb. 50c; oz. 25c; pkt. 10c  
1875 EARLY FLOWERING SPENCER  
MIXED. Come into bloom a month  
earlier than other sorts. Suitable for  
garden and greenhouse culture. Mixed  
colors.....Oz. 50c; pkt. 10c

## STOCKS

### Giliflower (Annual)

Their deliciously-scented flowers are borne in branching spikes on velvety-leaved plants. The secret of growing good Stocks in the garden is to start the seed early indoors, prick the seedlings into tiny pots, and keep them growing rapidly until they can be set outdoors in the richest possible soil.

- 1772 DWARF TEN WEEKS. 12 in. Large-  
flowering, double, fine for bedding. Finest  
mixed colors.....Pkt. 10c  
1774 BEAUTY OF NICE. 18 in. Double. Come  
into bloom twelve weeks from sowing.  
Deep flesh pink.....Pkt. 15c  
1777 GIANT IMPERIAL. 24 in. Double.  
Given sufficient room, the plants form mag-  
nificent bushes with long, thick flower.  
Finest mixed colors.....Pkt. 15c  
1778 EVENING SCENTED STOCK. (Matthiola  
Bicornis.) 15 in. Small rosy lavender  
flowers which emit a delicious perfume  
after dark.....Oz. 30c; pkt. 5c

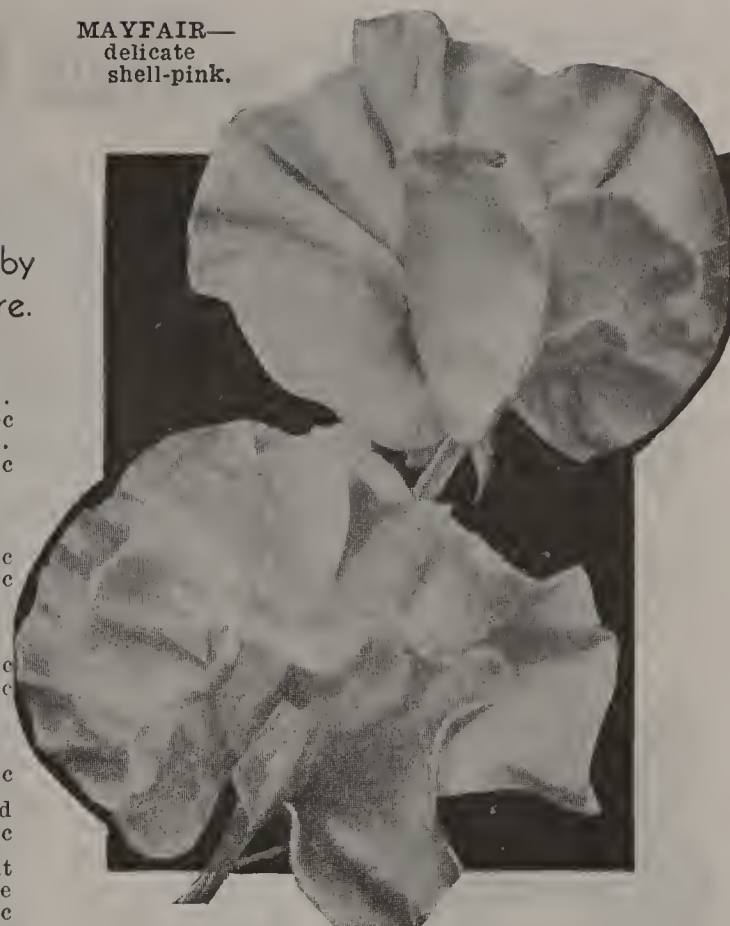
### STOKESIA, Cornflower Aster (Perennial)

- 1780 CYANEA. 2 ft. One of the choicest  
flowers for the garden and indispensable  
for cutting. Plants are much branched and  
bear freely from July until frost, the  
handsome lavender-blue flowers which  
measure from 4 to 5 inches across. Of  
easy culture, succeeding in any open, sun-  
ny position.....Pkt. 10c

## SUNFLOWER

### Helianthus (Annual)

- 1890 SINGLE LARGE FLOWERED MIXED.  
.....½ oz. 35; pkt. 10c  
1891 DOUBLE LARGE FLOWERING MIXED.  
.....½ oz. 50c; pkt. 10c  
1894 PINK BEAUTY. Beautiful salmon-pink.  
.....Pkt. 10c  
1895 SCARLET BEAUTY. Intense, brilliant  
scarlet.....Pkt. 10c  
SWEET ALYSSUM, see Alyssum, page 48.  
SWEET SULTANS, see Centaurea, page 50.  
1830 MINIATURE SUNFLOWER. 3-4 ft. Pro-  
duce flowers in many shades of rose,  
bronze and orange. Bloom all summer and  
are useful for cutting.....Pkt. 10c  
1831 RED SUNFLOWER. 4-6 ft. Curled petals  
in various shades of red and orange,  
beautifully shaded and bordered..Pkt. 10c  
1832 MAMMOTH RUSSIAN. 8-10 ft. Huge  
flat flower heads grown for the seeds which  
are fed to parrots, poultry and birds.  
Planted in the poultry yard the plants  
furnish shade, and when planted in the  
vegetable garden the stalks will serve as  
poles for climbing or pole beans.  
.....Large pkt. 5c



## SWEET PEA COLLECTION

One Pkt. Each

Hollyberry—Scarlet	50c Prepaid (Value 65c)
Shirley Temple—Rose-pink	
Black Diamond—Maroon	
Ethereal—Peach	
Blue Bell—Clear Blue	

PERENNIAL PEA, see page 53.



Among the oldest and best-loved garden flowers are STOCKS or GILIFLOWERS.

### SWEET ROCKET, Dame's Violet (Perennial)

- 1880 HESPERIS MATRONALIS. 2-3 ft. Hardy  
herbaceous plants, covered with showy  
spikes of purple and white flowers. Deli-  
ciously sweet-scented after sunset. Splendid  
for cutting.....Pkt. 10c

Graceful sprays of Stevia combine well with bolder blossoms in bouquets.

# New Verbenas

## Giant Hybrid (Annual)

Unsurpassed for massing in large beds. The plants are of low spreading growth and are covered with brilliant flowers from June to frost. Average trusses measure 3 1/2 inches across. Valuable for cutting.

- 1899 FLORADALE BEAUTY. 1937 All-America Selections. Shades from rose-pink to rose-red.....Pkt. 20c
- 1900 BLUE AND PURPLE SHADES.....Pkt. 10c
- 1907 CRIMSON GLOW. A pure glowing crimson without an eye.....Pkt. 20c
- 1908 GIANT HYBRID MIXED VERBENAS. This mixture includes shades of blue, lavender, purple, yellow, rose and scarlet. Will provide flowers for cutting all summer..... 1/4 oz. 40c; pkt. 10c



The gorgeous orange flowers of *TITHONIA* (Golden Flower of the Incas) make a brilliant showing in the garden.

## TITHONIA (Annual)

- 1896 SPECIOSA. 6-8 ft. A rare plant native to Mexico. The flowers are a flaming orange-scarlet, 3-4 inches across. Colorful and effective for tall backgrounds. Seed should be started indoors in April. Pkt. 15c.

## TRITOMA, Red-Hot Poker (Annual)

- 1897 HYBRID MIRABILIS. 2-3 ft. Also known as Torch Lily or Flame Flower. Produces striking orange-scarlet flower spikes from August until frost. Start seed indoors in March and set plants out in May. The roots may be taken up in late fall and stored like Dahlia roots.....Pkt. 15c

## VENIDIUM FASTUOSUM (Annual)

- 1898 Height 2-3 ft. Deep, brilliant orange, daisy-like flowers, 4-5 inches across, with a double row of petals, the upper row having a glossy reddish-brown center. Germinates readily and flowers profusely.....Pkt. 25c



VENIDIUM has jolly golden-orange daisies with enormous black and brown centers.



## TITHONIA.

## VIOLA CORNUTA

## Tufted Pansy (Perennial)

Closely related to pansies and violets, Violas make splendid edging plants for the border and rock garden. They are hardy and bloom continuously.

- 1918 ARKWRIGHT RUBY. Bright ruby crimson, shaded terracotta. Fragrant. Pkt. 25c See Color Illustration on Page 44.
- 1919 FINEST MIXED. Includes lavender, orange, purple, blue and yellow..... 1/8 oz. 35c; pkt. 15c

## WALLFLOWER, Double (Annual)

- 1920 Height 12-15 in. Suitable for bedding or pot culture. The main spike is covered with double fragrant blossoms of brown and golden yellow. Seed started indoors in February produces flowering plants in July. Mixed colors.....Pkt. 20c

## WILD CUCUMBER (Annual Climber)

- 1925 ECHINO CYSTIS LOBATA. 20 ft. Grows rapidly and is thickly dotted with pretty white, fragrant flowers, followed by ornamental prickly seed pods. Oz. 25c; pkt. 5c

## YUCCA, Adam's Needle (Perennial)

- 1929 FILAMENTOSA. 3-5 ft. Plants present a striking tropical appearance with their strong sword-like foliage and tall spikes of creamy white flowers. Bloom in July. Very effective in the border and rock garden.....Pkt. 10c

# Zinnia Novelties

- 1968 PICOTEE GIANT DOUBLE MIXED. Large double flowers, measuring 4 inches or more in diameter. Colors are: orange, yellow, pink and flesh with edges of petals serrated and tipped with a contrasting color.....Pkt. 10c

- 1969 SCABIOSA FLOWERED AUTUMN TINTS. 2 1/2 ft. The flowers of this type are so graceful and easy to arrange that they are unexcelled for cutting. The lovely coloring ranges through all the gorgeous autumn tints, including orange, bronze, russet and red. This new strain is perfect in form of flower and comes true.....Pkt. 15c

- 1970 FANTASY. 2 1/2-3 ft. The shaggy ray-like petals of this type resemble the cactus dahlias. The color range includes the brightest shades of red, yellow and orange, as well as pastel pinks and cream.....Pkt. 15c

- 1971 LINEARIS. 12 in. A new strain, bearing single flowers of deep golden orange, with a contrasting yellow stripe through each petal. It is early flowering, and if allowed plenty of space, the plants spread over two square feet, without growing taller than ten inches. Flowers profusely.....Pkt. 15c



## Mexicana or Miniature Zinnias (HAAGEANA)

This dainty little Zinnia should be in every garden. Arranged in low bowls for table decoration it makes the daintiest and most attractive bouquets imaginable. Also a splendid rock garden and border plant.

- 1979 MIXED COLORS. Flowers are double and semi-double, 1 1/2 inches across, and come in a most unusual color range—rose tipped yellow, maroon tipped cream, yellow tipped red. Plants grow 10-15 inches high..... 1/4 oz. 45c; pkt. 10c

## The Flower Educator

Lovers of flowers will read with interest and pleasure Audel's Flower Educator. Contains over 600 pages and hundreds of illustrations including full page plates of flowers. Printed in large type, easy to read. Flexible art binding. A much appreciated gift.

Complete Pocket Size Reference Index

\$1.50 ppd.

# CHOICE

# ZINNIAS

Zinnias are the most popular annuals for cutting, bedding and garden display. They may be had in bloom from early summer until killed by frosts.

**CULTURE**—Zinnias are not particular as to soil, but prefer a sunny location and plenty of moisture. When the plants are 2 or 3 inches high, they should be thinned out to stand 12-15 inches apart. If allowed ample room for proper development, the flowers will be more completely double.

## Giant Dahlia Flowered

Height 3 ft.

Huge, double flowers, often measuring 4 inches in depth and from 4-5 inches across. The petals are broad, and closely imbricated, resembling the show type of Dahlia. Flower in 60 days.

- 1931 DREAM. Lavender turning to purple.
  - 1932 CANARY BIRD. Primrose yellow.
  - 1933 LUMINOSA. Bright deep rose.
  - 1934 CRIMSON MONARCH. Rich crimson.
  - 1935 ORIOLE. An immense orange and gold bicolor.
  - 1940 GIANT DAHLIA FLOWERED MIXED.
- Each of the above, ¼ oz. 45c; pkt. 10c

## Crown O' Gold

Height 3 ft.

This aristocrat among Zinnias retains its place as an outstanding novelty. The flowers are large, double and well-formed; each petal overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip.

- 1949 DESERT GOLD. Shades of yellow. Of arresting beauty.....Pkt. 20c
- 1950 MIXED COLORS. Includes old rose, cream, lavender, pink, yellow and carmine-red.....¼ oz. 50c; pkt. 15c

'Autumn Tints' is the latest development in the Scabiosa Flowered type of Zinnia.

It comes in a mixture of rich autumn shades, such as burnt orange, russet, bronze-red, etc.



See Page 83 for Bedding Plants.

Novelty Zinnias on Page 58



GIANT DAHLIA FLOWERED is a magnificent strain producing enormous flowers in brilliant colors.

## California Giants

Height 3-4 ft.

Very large double flowers, averaging 5-6 inches in diameter when in full bloom. Somewhat flat in form, the flowers have a most graceful appearance and are splendid for cutting. Bloom in 60 days.

- 1960 GRENADIER. Extra fine dark red.
  - 1962 ORANGE KING. Burnt orange.
  - 1963 ROSE QUEEN. Rose with deep rose center.
  - 1964 SCARLET GEM. Glowing scarlet.
  - 1965 CALIFORNIA GIANT MIXED.
- Each of the above, ¼ oz. 45c; pkt. 10c

## Giant Zinnia Collection

ONE PKT. EACH

California Giant Mixed.  
Double Picotee Mixed. **25c**  
Dahlia Flowered Mixed.

## Novelty Zinnia Collection

ONE PKT. EACH

Crown o' Gold, Mixed.  
Fantasy. **40c**  
Scabiosa Flowered Autumn Tints

## Midget Zinnia Collection

ONE PKT. EACH

Cupid Mixed.  
Red Riding Hood. **30c**  
Pumila Picotee Delight.

## Bedding and Border Zinnias

1974. EARLY WONDER GYPSY. 15-18 in. Blooms within 30-40 days from sowing. The richly-colored flowers of burnished orange are of medium size, on long wiry stems—excellent for cutting. Plants may be grown close together, there is very little foliage.....Pkt. 15c

1975. IMPROVED LILLIPUT OR POM-PON. Unsurpassed for bedding and cut flower purposes. The plants form handsome little bushes 12 to 15 inches high, and are literally covered with small, double flowers all summer until killed by frost. Mixed colors.....¼ oz. 30c; pkt. 10c

1976. RED RIDING HOOD. Height 1 ft. Plants are of compact bush form, covered with intense scarlet flowers not over an inch across. Very effective in solid beds and for edging, and especially recommended for cutting.....¼ oz. 30c; pkt. 10c

1977. PUMILA PICOTEE DELIGHT. Ht. 15-18 in. Dwarf plants with extra double flowers in a mixture of many attractive shades including salmon, buff, cream, yellow and lavender. Petals are beautifully picoté and ruffled...¼ oz. 45c; pkt. 10c



Interesting and unusual is the new midget ZINNIA LINEARIS, with its golden-orange flowers striped lemon-yellow. Ideal for edging and window boxes. See page 58.

## Cupid Zinnias The Smallest of All

Height 1 ft.

Semi-globular flowers, closely imbricated; on long slender stems. As the flowers open, the rounded plants are converted into a mass of color which persists through summer and autumn. Especially adapted as border, bedding, edging and rock garden plants.

- 1980 TINY TIM. Rich scarlet.
- 1981 PIXIE. Bright yellow.
- 1985 FINEST MIXED COLORS.

Each of the above, ¼ oz. 50c; pkt. 15c



**PYRETHRUM**  
James  
Kelway.

# Hardy Plant Novelties

**CORALBELL**, Rain of Fire. 18 in. A brilliant red Coralbell which blooms all summer. The tall, slender stalks with their airy clusters of bright red flowerbells give one the impression of a fountain of fire when in full bloom. 3 for 75c, postpaid.

**PINK BABY'S BREATH** (Gypsophila Pacifica). 3-4 ft. Plants form dense bushes with myriads of tiny pink blossoms borne profusely in misty panicles. Comes into bloom after the Paniculata variety has passed. 3 for 75c, postpaid.

**PYRETHRUM**, James Kelway. 2 ft. A new English strain of large-flowering single red, with center of deep gold. Extra-long, strong stems. Blooms in June and July. 3 for 75c, postpaid.

**PHYSOSTEGIA**, Vivid. 20 in. Produces spikes of deep vivid pink flowers. Plants are stocky and well-branched and produce heavy bloom for several weeks. 3 for 75c, postpaid.

**DIANTHUS ARENARIUS**, Sand-Loving Pink. Delights in a sunny position and sandy soil. Flowers white with a carmine ring, on 5-inch stems. Deeply fringed and fragrant. 3 for 75c, postpaid.

**SHASTA DAISY SUPREME**. 2½ ft. Immense flowers of pure glistening white. A decided improvement on the old Shasta Daisy in size, form and color. Blooms all summer and is ideal for cutting. 3 for \$1.00, postpaid.

**RED CREEPING PHLOX**. Forms a vivid carpet of deep wine-red, completely covering the bronze-green foliage in May and June. 3 for 60c, postpaid.

**HARDY ASTER**, Red Rover. 3-4 ft. The reddest Aster known. Deep, rosy red with a golden center. Compact habit and free blooming. 3 for 75c, postpaid.

**PENTSTEMON GRANDIFLORA**. 2-3 ft. Long graceful spikes of miniature gloxinia-like flowers with hairy throats. Showy in the border and fine for cutting. 3 for 75c, postpaid.

**DWARF HARDY ASTER**, Victor. This new Aster is the dwarfest of all—grows only 6 inches tall, and blooms in September. Flowers are of good size and clear lavender-blue color. 3 for 75c, postpaid.

## New Aguilegia (Columbine)

**CRIMSON STAR**. 2 ft. This sensational new English Columbine has sepals and spurs of a deep rich crimson and white petals with yellow stamens. Plants are sturdy and free flowering. 3 for 75c, postpaid.

**DOBBIE'S IMPERIAL HYBRIDS**. 2 ft. One of the finest strains, with extra-large long-spurred flowers in all shades of blue, rose and yellow. Colors are strong and brilliant. Mixed colors only. 3 for 60c, postpaid.

**DELPHINIUM**, Gold Medal Hybrids. (Hardy Larkspur). 4-6 ft. Large flowering larkspur in a wide range of light and dark blue shades. 3 for 60c, postpaid.

**DOUBLE BUTTERCUP**, (Ranunculus). 1½ ft. Well-known double buttercup, effective either as a cutflower or grouped in the hardy border. 3 for 60c, postpaid.

**FUNKIA**, Lancifolia. 18 in. Excellent border plants for semi-shade. Attractive foliage and dainty lavender lily-like flowers in July and August. 3 for 60c, postpaid.

**HELENIUM**, Riverton Gem. 3 ft. Old gold, shaded terra-cotta and red. For cutting or garden show. August to frost. 3 for 60c, postpaid.

**VARIEGATED RIBBON GRASS**. 18 in. Leaves longitudinally striped with white; very ornamental in the border and attractive in mixed bouquets. 3 for 60c, postpaid.

**SIBERIAN IRIS**. 3 ft. Narrow grass-like foliage; rich violet-blue flowers on long graceful stems. Good for cutting and garden display. 3 for 75c, postpaid.

3  
for  
60c  
ppd.

*The Best  
Hardy Phlox*

14  
for  
\$2.00  
ppd.

Color Illustrations  
on Page 44

**FEUERBRAND** (Fireglow). Brilliant crimson.

**ECLAIREUR**. Purplish-crimson; white halo.

**HAUPTMAN KOEHL**. Dark blood-red.

**INNOCENCE**, New. Best tall, pure white.

**ATHIS**. Clear salmon-pink.

**B. COMPTE**. Satiny wine-red.

**MRS. CHAS. DOERE**. Lavender.

**PINK BEAUTY**. Lovely rose-pink.

**RIVERTON JEWEL**. Pink; deep pink eye.

**R. P. STRUTHERS**. Bright rosy carmine.

**SPECIAL FRENCH**. Blush pink with salmon eye.

**STARLIGHT**. New violet red; white center.

**SUNRISE**. Soft salmon-pink.

**THOR**. Rich salmon-pink; deep scarlet eye.

Hardy  
Asters  
on  
Page 4



Veronica has long spikes of violet-blue flowers indispensable for cutting.

## Veronica

**LONGIFOLIA**. 2 ft. Long spikes of beautiful violet-blue flowers. Make a pleasing color combination when planted with a background of Hardy Pink Phlox. Excellent cut flower. August and September. 3 for 60c, postpaid.

**ROYAL BLUE**. 1 ft. Handsome spikes of rich gentian-blue flowers in June and July. 3 for 60c, postpaid.

## German Iris

Note: In descriptions "S" refers to standards (upright petals); "F" refers to the falls (lower petals).

**AMBASSADEUR**. (S) red-violet; (F) maroon.

**BUTO**. Rich royal purple. Each 30c.

**EUPHONY**. Ruffled chamois-yellow.

**IDEAL**. A beautiful royal blue.

**PRAIRIE GOLD**. Pure golden yellow.

**PRINCESS BEATRICE**. Soft lavender.

**PROSPER LAUGIER**. (S) bronze-red; (F) ruby-purple.

**ROSA BONHEUR**. Mauve and old gold.

**SEMINOLE**. General effect wine-red.

**TAJ MAHAL**. Very large white Iris.

**TRUE CHARM**. White, feathered blue.

Price: 3 for 60c; 6 for \$1.10, postpaid.

## Surprise Perennial Collection

All Different—Each One Labeled

15 PLANTS \$1.50  
Prepaid

## Day Lily Collection

Beautiful New Named Varieties  
In Shades of Orange, Yellow  
and Apricot.

5 PLANTS 59c  
Prepaid

## For The Modern Garden

### COLORFUL GARDEN BIRDS

Beautiful, natural appearing Garden Birds. Finished in weather-resisting enamel in life-like colors. Swivel-mounted on 22-inch green enamel steel stake. Attractive in outdoor gardens—in ferneries and flower pots, in solarium or flower nook. Made of heavy steel—life-size—5 varieties shown opposite.

3 (any variety) prepaid for .....45c

Order a full set.

5 subjects prepaid for.....70c



### HOLE-IN-ONE PLANTER



For setting out plants—makes a hole-in-one operation. Cut tool into soil—withdraw with twisting motion—out comes plug of soil—leaving a flat bottomed hole.

ppd. for 55c

### LABEL YOUR PLANTS!

Use Peerless Markers, of galvanized metal, 12 in. long, painted green. Card holder, protected from rain, swings up for reading celluloid card. 3 for 28c.

Dozen ppd. for 95c



## EEZY WEAR GARDEN GLOVES

All-Leather—Dirt-Proof—Soft as Kid Extra Pliable

Economical—outwear six pairs of fabric gloves and are useful the year 'round for Garden, Housework, Painting, Yard, Furnace, Garage, etc.

Washable!

Sizes for women: "Small," "medium," "large"—for men: "Medium," and "large." Be sure to specify for men or for women.

Price: 2 pair \$1.20, postpaid.

One pair ppd. for 65c



## SHOVEL STEEL GARDEN TROWEL 20c



Made of high carbon shovel steel, 6-in. blade. Heavy malleable shank. Upper part of blade enameled blue, varnished handle.

Price: 20c, prepaid.

## LENOX MISTY SPRAYER

The Best for House Plants

Just the thing for house plants or small shrubs. Throws fine misty spray under or over plants, thoroughly drenching foliage, removing dust and insects. Takes any liquid insecticide. Every part of plant can be covered.

(We recommend "Black Leaf 40" or "Evergreen" Spray. See page 77.)

ppd. for 75c



## Nu-Life Plant Grower 10c

PEPS UP SICK PLANTS



The best plants need stimulating. The soil becomes worn out, the plants sickly—leaves discolor and blooms lack brilliancy.

With Nu-Life Plant Food immediate results are noticed. Easy to use—odorless. Puts new life into sick plants—peps up your flower bed and stimulates growth of all vegetation.

Contains 15% Nitrogen, 30% Phosphorous, 15% Potash—only a small amount required per pot.

Fertilizing value four to five times that of ordinary plant food—properly balanced—practically water soluble. Liberal Trial Size 10c, 1/2-lb. package 30c, 1-lb. package 45c, postpaid.

## Lawn & Garden Fertilizers

for Gardens, Lawns, Shrubs, Plants, Trees.



One Application Produces Amazing Results. TRY IT!

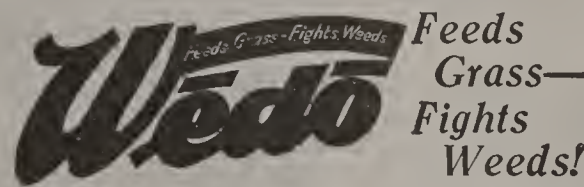
(Analysis: 4-12-4)

A single application makes grass and vegetables grow vigorously and flowers and shrubbery beautiful with bloom and foliage. Quick results, easy to apply, only a small quantity required, no offensive odor.

Used for years on lawns of fine homes—on golf courses—in private gardens—hot-houses—and nurseries of florists and commercial growers.

10 lbs.—is sufficient to fertilize plot of lawn 20x25 ft. 25 lbs.—will cover plot 30x40 ft. (Use 2 to 4 lbs. per 100 sq. ft.).

Price: 5-lb. bag 40c, 10-lb. bag 75c, 25-lb. bag \$1.35, 50-lb. bag \$2.25, 100-lb. bag \$3.75, f.o.b. Faribault. Detailed Instructions in each package.



### SPECIAL LAWN FERTILIZER

A balanced fertilizer which rids your lawn of weeds. Grass grows luxuriantly—weeds disappear! Formulated by leading soil authorities. Contains the recommended amounts of nitrogen, phosphates and potash most suitable to lawn grasses and the valuable weed eliminating features of sulphate of ammonia and other weed control elements.

#### HOW MUCH WEDO TO BUY

Only 1 1/2 pounds are required for 100 square feet (10x10-ft. area).

10 lbs. 80c, 25 lbs. \$1.65, 50 lbs. \$3.00, 100 lbs. \$5.50, f.o.b. Faribault.



(Analysis: 8-5-3)

The E-Z way to SEED or FERTILIZE your LAWN! ONLY \$1.00 ppd.

The old messy way is done away with by the use of this new patented device.

Made of strong fiber-board with metal tires—full instructions for assembling in package.

So simple to operate that a child can run it. No wasting of fertilizers as it is efficient and does the fertilizing quickly. You'll find it fun to operate. May also be used for sowing lawn seed. Price: 85c, postpaid \$1.00.



## PEAT MOSS FOR GARDENS AND LAWNS

If you are having trouble with your lawn, if your soil is light and sandy, or bakes hard because of clay, Peat Moss will show wonderful results.

Two ounces of Peat Moss are capable of absorbing one pound of water. Use it around the base of roses, shrubs, perennials, your window and porch boxes, among ferns and potted plants.

One bale of Peat Moss will provide top-dressing for 800 to 1,000 square feet of soil. Inexpensive to use. (CIRCULAR FREE.)

Peat Moss contains life-giving humus essential to plant growth—high in nitrogen content and is free from silt and weed seeds.

For the lawn, a top-dressing should be made late in April or early May. On heavy clay soil—work in to a depth of 6 inches.

Price: 5-lb. package 60c, prepaid; 10-lb. package 85c (prepaid to 3rd zone). Not prepaid, 1/2 bale, about 60 lbs., \$1.50. Large bale, 125 to 135 lbs., \$2.50. PEAT POULTRY LITTER at same prices.

LAWN SEED, PAGE 5.

NEWEST LAWN & GARDEN TOOLS PAGE 78

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## Plant Food in Tablet Form



Feed your house plants, roses, flowers, shrubbery, vegetables, the modern way—with Stim-U-Plant. Clean and odorless, absolutely reliable. Prices: 10 tablets, 10c; 30 tabs. 25c; 100 tabs. 75c; 500 tabs. \$2.50; 1000 tabs. \$3.50.



# PASTURE AND MEADOW MIXTURES



Many Tons of Palatable Hay good for all Livestock, were Produced from this Timothy and Alsike Meadow.

## PASTURES ARE PROFITABLE

Pastures furnish not only one-half of the total feed for animals, but the only really cheap feed.

The better management and improvement of pastures is one of the most important needs of American agriculture. Well-planned and properly-managed pastures not only provide a large amount of nutrition for livestock, but also serve to keep down weeds.

By the use of pastures, animals harvest their own feed, chores are reduced, the manure is left on the land, animals have a better choice of feed, and gains are cheaper.

All classes of livestock do well on pastures which are very important to the health of these animals and economy of production.

Combinations or mixtures of suitable pasture plants are generally more desirable than one kind of plant seeded alone. The mixture affords variety, adds palatability and often increases the production per acre. A single grass or legume may fail to make a good stand when others catch well. Very frequently gaps or open places are filled up by a mixture. It is considered very important to include both grasses and legumes in pasture and meadow mixtures.

### TIMOTHY AND ALSIKE MIXTURE

#### Permanent and Productive

1. It makes an excellent permanent pasture as both grasses are perennials.
2. It may be grown on slightly acid soil where Red, Sweet Clover or Alfalfa do not thrive.
3. The hay produced is very leafy, of fine quality and richer in protein than Timothy alone.
4. More tons per acre can be produced.
5. Fertility will be added to the soil through the Alsike, and the Timothy will grow much better as a result.
6. All classes of livestock like the hay.
7. Good returns may be expected on uplands as well as lowlands.
8. Timothy and Alsike mixed will produce more feed per acre than if two separate fields of Timothy and Alsike were grown for hay and mixed.
9. More seed is produced per acre than from two separate fields of Timothy and Alsike. This allows us to make a lower seed price to the farmer than if he bought Timothy and Alsike seed separately and mixed them.

We offer two mixtures of Timothy and Alsike. One contains 20% to 25% Alsike, and is a very popular mixture, grown to a great extent. For those who wish a larger percentage of Alsike, we supply a mixture having 30% to 35% Alsike. This mixture has become popular and is in as big demand as the 20% to 25% mixture. Sow about 12 lbs. of either mixture to the acre. Price: Lb. 25c, 5 lbs. \$1.00, postpaid. For prices on larger quantities, see Blue Figure Price List.

### Special Mixture for Thin Alfalfa Stands

During the past few years, many promising fields of Alfalfa have been thinned out due to drought. Alfalfa is perhaps the outstanding hay crop grown in the country. Since it is sometimes difficult to get a stand, the Ohio Experiment Station has found that by seeding a special mixture on Alfalfa fields that are somewhat thin, an abundance of hay or pasture of high feeding value may be obtained.

Springtooth or disc the Alfalfa field early in the spring and seed the following mixture, harrowing it in lightly after seeding: 4 lbs. of Alfalfa, 4 lbs. of medium Red Clover, 2 lbs. of Alsike Clover, 2 lbs. of Timothy. Mix your seed well and plant this quantity per acre. A very fine field of hay or pasture will result if growing conditions are favorable.

### ALL SEASON PASTURE AND MEADOW MIXTURE

For all soils except low, wet ground. We offer this special pasture and meadow mixture designed to supply hay or grazing throughout the entire season. This mixture is made up of hardy, strong-rooted grasses and clovers which will resist the extremes of our cold northern winters and hot, dry summers, also endure close pasturing.

Pasture and hay lands, when used for feeding livestock, have shown more profits than most other kinds of crops. In the government program to curtail production of grains and corn, pasture and hay combinations are recommended to be planted on those acres which otherwise would be idle. In the past there has always been a shortage of high quality hay in many sections of the country and it will be many years before an oversupply can be produced.

This All Season Mixture includes Kentucky Blue Grass, Timothy, Red Top, Alsike, Red Clover, Brome Grass, Meadow Fescue, and Domestic Rye Grass in proper proportions. Sow at the rate of 20 to 25 lbs. per acre. Price: Lb. 35c, prepaid. Not prepaid, 10 lbs. for \$2.75. See Blue Figure Price List for larger quantities.

### MIXTURE FOR LOW WET GROUND

For land that is occasionally overflowed. This pasture and meadow mixture contains grasses that withstand overflowing of the land without being drowned out. The following mixture has proved most satisfactory for this purpose: Red Top, Timothy, Alsike, Brome Grass, Domestic Rye Grass and Reed Canary Grass, mixed in the proper proportions. After a few seasons, the Red Top, Brome Grass and Reed Canary Grass will predominate, giving you a permanent pasture or meadow that will yield many tons of hay having high feeding value.

Where a single grass is preferred, we would recommend Reed Canary Grass. (See page 63.)

Sow 20 to 25 lbs. per acre. For top seeding, sow 10 to 15 lbs. per acre. Price: Lb. 35c, prepaid. Not prepaid, 10 lbs. for \$2.75. See Blue Figure Price List for larger quantities.

### PERMANENT HOG PASTURE MIXTURE

Permanent Hog Pasture Mixture contains the following mixed in the right proportion to produce the greatest feeding value:

Alfalfa.	Meadow Fescue.
Red Clover.	Domestic Rye Grass.
Alsike Clover.	Bromus Inermis.
Sweet Clover.	Timothy.

This mixture can be sown any time, from early spring until midsummer, and does not require any particular kind of soil, in fact, any soil that produces crops of small grain or corn, will answer the purpose. Because of the large amount of clover and alfalfa it contains, it serves the double purpose of providing the hogs with pasture of high feeding value, and building up the soil at the same time. Sow 25 lbs. per acre. Price: See Blue Figure Price List.

### ANNUAL HOG PASTURE MIXTURE

ONE ACRE ENOUGH FOR 40 SPRING PIGS OR 20 OLDER HOGS

This mixture was put up to meet the demand for a pasture that will develop young pigs rapidly, and produce pork at a minimum cost. It contains all the necessary body and bone building elements, and will prove much more economical than the use of corn, grain and mill feed throughout the year. A good pasture of legumes, grasses and grains, will keep hogs in healthy condition, fatten them quickly, so that but little corn is required to finish them off. Our balanced ration mixture consists of the following in the right proportions:

Amber Cane.	Rye.
Vetches.	Oats.
Field Peas.	Dwarf Essex Rape.
Barley.	Sudan Grass.

One acre of pasture sown to this mixture is sufficient for 30 to 40 spring pigs, or 15 to 20 older hogs. It is best to divide the hog pasture into two parts and change the hogs from one section to the other, about once a week, to give the grains and grasses a chance to recuperate. Sow at the rate of 60 to 75 lbs. per acre. Price: See Blue Figure Price List.

We offer free, if requested, with an order for Pasture and Meadow Mixtures of \$2.00 or more, the valuable booklet entitled, "Our Pastures—They Deserve Better Care," Published by the International Harvester Co.

F. S. & N. Co.

I want to buy of you so please send me a catalog. Of all the companies whose seeds I used, I found yours are superior in germination and finished product.

Leonard J. Rasmussen, Reseda, Cal.

Feb. 9, 1937

F. S. & N. Co.

I planted a bushel of your F. S. & N. Co.'s Ideal Silo Corn and it is the best corn I ever raised. The ears are fifteen inches long and I have been feeding it to my hogs for a month.

Hugh Cory, Mt. Sterling, Ill.

Sept. 20, 1937

# HARDY GRASSES

## CRESTED WHEAT GRASS

The Ideal Dry Land Pasture Grass

Crested Wheat Grass is a hardy, drought-resistant perennial bunch grass. It has a longer productive period than Slender Wheat Grass or Bromus Inermis. It is native to the cold, dry plains of Russia and Siberia, and it is particularly adapted to the Great Plains section of the United States.

Probably due to its extensive root system which permits storage of abundant food reserves and ready utilization of water, Crested Wheat Grass makes an early and rapid growth. It has a tendency to become dormant during an extremely hot dry period, but resumes its growth in early fall, continuing until late in the season. It grows at low temperatures and is able to utilize the soil moisture and to check the growth of other grasses and weeds where the moisture supply is limited. In the semi-arid regions—Kansas, Nebraska, Montana, Wyoming and the Dakotas, this grass does best, although it appears to do well anywhere. When used as pasture for sheep, no matter how badly it has been subjected to use, it comes right up again.

### Seed Production Profitable

Crested Wheat Grass produces 400 lbs. of seed per acre grown under dry conditions on fields two or more years old. Any good field will produce 200 to 300 lbs. per acre. There is a great demand for seed.

Sow 10 lbs. of seed to the acre. After obtaining a good stand, no cultivation is necessary, as it will choke out all weeds. Harvest it once a year. Price: Lb. 60c, 5 lbs. \$2.60, postpaid. For larger quantities, see Blue Figure Price List.

## TIMOTHY

A hardy perennial resistant to both cold and drought—it is best adapted for sowing with Clovers which supply nitrogen to the soil and increase the vigor of the Timothy. It may also be sown with grains as a nurse crop. The soil must be well pulverized and the seed slightly covered. Do not cut too early or pasture too late in the fall after the hay is cut. Timothy produces 1½ to 3 tons of hay per acre and should be cut at flowering time. Sow 15 to 20 pounds per acre alone; with Clover, 10 to 12 pounds per acre. Price: Lb. 20c, 5 lbs. 75c, postpaid. See Blue Figure Price List.

## BROMUS INERMIS

Bromus is a vigorous, hardy perennial with strong, creeping roots. It makes excellent hay and pasture on poor, dry soil or on moist, low ground that is flooded at times. It may be sown on hillsides, terraces and levees to keep the soil from being washed away. It makes an early growth, two to three weeks before any other grass, and remains green until November. It will stand close cropping.

It grows 3 to 4 feet high, yielding large crops of palatable hay, 2 to 4 tons per acre. Cut for hay when in full bloom. It is also a profitable seed crop.

Sow at the rate of 20 to 25 pounds per acre with one-half the usual quantity of small grain. Price: Lb. 40c, 5 lbs. \$1.80, postpaid.

## KENTUCKY BLUE GRASS

This famous grass does well almost everywhere on soil that is fairly rich, moist and moderately well drained. For best results, there should be lime present in the soil. Kentucky Blue Grass will last for many years as the plants spread from underground roots and it rarely needs reseeding. Blue Grass is the best of all grasses for lawns, golf courses and parks. When sown alone use 35 to 40 pounds per acre. Price: Lb. 35c, 5 lbs. \$1.60, postpaid.



After Harvesting Reed Canary Seed, a Hay Crop Can Be Cut Immediately.

### The Peat and Swamp Land Wonder Grass

#### How To Grow the Crop

Prepare a good seed bed. Fall plowing allows early spring seeding. The seed will germinate in water, but if covered by soil underneath the water, it will not grow until the water is drained off.

Reed Canary Grass responds readily to planting with a companion crop such as Flax, small grains, Timothy or Bromus. A companion crop will hold the weeds in check and will shade the ground, keeping it from drying out so quickly. Thus, the Reed Canary Seedlings, which grow slowly until fully established, are protected. After Reed Canary Grass is past the seedling stage it grows very rapidly, crowding out all other grasses and weeds.

## RED TOP

A hardy perennial grass found almost everywhere, but predominating on low, marshy ground, where it forms luxuriant growth. It grows 2 to 5 feet high, depending on soil and climatic conditions, with creeping roots, which enable it to grow on very wet and even very dry soil where other grasses grow but sparsely. It makes good pasture, and fair hay, if cut early, but the matured plants are wiry and coarse. It is best grown with other grasses and clover. Price: Lb. 30c, 5 lbs. \$1.30, postpaid.

## HARBIN LESPEDEZA

Harbin Lespedeza is a hardy drought-resistant early strain of Korean Lespedeza. It is designed to fill a big gap in the pastures of the northern states where other clovers and alfalfas cannot be grown to advantage.

Harbin Lespedeza makes its best growth in summer when pastures become brown and bare. It grows readily in sour soil and matures seed even north of the Canadian border.

It loves hot weather and is very drought-resistant.

Harbin is a legume and should be inoculated. It will prevent erosion as it grows rapidly and does well on bare spots and in ditches.

Harbin Lespedeza will produce as much as 600 lbs. of clean seed per acre. It is important to buy northern grown seed.

For pasture purposes, plant 5 to 6 lbs. per acre in 6-in. drills. Price: Lb. 40c, 5 lbs. \$1.85, 10 lbs. and more at 35c per lb., postpaid.

SEE BLUE FIGURE PRICE LIST FOR QUANTITY PRICES.

## REED CANARY

(Phalaris arundinacea)

Reed Canary Grass has reclaimed many worthless swamps and is making real profits for hundreds of farmers. It is especially adapted to boggy soils, swamps and marshes.

Reed Canary is not a new grass, but has been grown in Central Minnesota for about 30 years.

### Four to Six Tons of Hay Per Acre

Such yields are not unusual. The hay has high feeding value and is eagerly consumed by all livestock. One acre will pasture three to four dairy cows throughout the season. The great demand for Reed Canary Grass Seed also is a source of a fine profit.

### A Hardy Perennial Grass

Reed Canary Grass is a perennial and will thrive until broken up. The plants are cold resistant—both as seedlings and in the mature stages. It is not a dangerous grass like Quack, but can be easily controlled by plowing. This grass grows rapidly, beginning early in the spring. The heads appear about the first week in June and are ripe about four weeks later. Leaves are broad, light green in color, and the plants often grow five to six feet in height. The underground stems rapidly form a tough sod that will hold up hay-making machinery.

Reed Canary Grass will produce an abundance of pasture from early spring until fall. It should be kept grazed very close except in the fall. For hay, cut when the heads begin to appear as the grass contains the highest feeding value and is finest at this stage.

### Rate of Seeding

Sow any one of the following companion crops with Reed Canary Grass: flax at the rate of 35 to 42 lbs. per acre—small grains at one-half the regular rate. Timothy or Bromus broadcast at the rate of 4 to 5 lbs. per acre.

Sow the seed in the spring as early as possible so that the seedlings may become well established before the weeds begin to grow. On very weedy land, seed late in June or early in July, disking your land up to this time in order to kill the weeds. Seed in August or in October if there is any difficulty in getting onto your land in the spring. The seed should be sown at the following rate—broadcast, 5 to 6 lbs. per acre; drilled, 2 to 3 lbs. per acre in 16 to 18-inch rows. Use a packer on peat after seeding. Price: See Blue Figure List. Lb. 40c, 10 lbs. \$3.75, ppd.

## DOMESTIC RYE GRASS

This grass is well adapted for pastures, meadows and lawn, as it endures close cropping and makes a dense, leafy undergrowth. It thrives almost everywhere but grows best in moderately rich soil. Domestic Rye Grass does better on moist soil, sow 20 to 30 pounds per acre. Price: Lb. 25c, 5 lbs. \$1.00, postpaid.

## MEADOW FESCUE

This hardy western grass stands more abuse than Timothy and other grasses and will stand close cropping, drought and unfavorable soil conditions. Meadow Fescue grows two to three feet high and produces a very leafy undergrowth. In sowing alone, use 20 to 25 pounds per acre. Price: Lb. 35c, 5 lbs. \$1.60, postpaid.

## CREeping BENT GRASS

This grass makes a fine, dense, firm turf which withstands hard usage; it is ideal for lawns, terraces, and putting greens on golf courses because it makes a compact sod due to its spreading habit. It makes rapid growth in a year, crowding out other grasses. Our seed is true to name and of finest quality. Sow 3 to 4 pounds per 1,000 square feet. Price: Lb. 70c, 5 lbs. \$3.25.



# HARDY NORTHERN GROWN ALFALFA



A caution to farmers to know the origin of the Alfalfa and Red Clover Seed purchased this year has been issued by various Agricultural Agencies.

There is need for extreme caution because of the short supply of adapted seed and the wide differential in price of unadapted and adapted seed.

The carry-over of Alfalfa Seed was very small. The production in the northern and central states this year was much below average, but production in the Southwest was above average.

Much unadapted southern Alfalfa Seed will probably be shipped to the northern states, some misrepresented as to origin. Because of the lower price of the unadapted seed, many retailers, shippers, truckers and others will try to pass off southern Alfalfa Seed for northern seed. Southern seed is not sufficiently hardy to withstand the northern winters.

Alfalfa Seed obtained from growers and shippers should be fully identified as to locality of production, and blends containing any unadapted seed should be avoided.

As for Red Clover, the carry-over was rather small, with production far below normal. Prices of domestic seed are high, imported seed is much lower priced and the supply of adapted domestic seed is insufficient to meet normal requirements.

(Above data taken largely from press release of U. S. Department of Agriculture, No. 649-38.)

We are verified origin seedsmen, and any Alfalfa that we send you will be sealed and tagged, either with United States Verified Origin Certificates or with a certificate and seal from the state in which the seed was grown.

Be sure to look for the Verified Origin Seed Tag or an authorized state tag on every bag.

## LADAK ALFALFA—Wilt and Drought Resistant

Introduced in the U. S. in 1910 from the mountain regions of northern India by the U. S. Department of Agriculture. It was planted at Havre, Montana, in 1916 and showed no winterkilling for more than ten years. When it was distributed in small quantities, Ladak immediately proved so outstanding that its rapid distribution was assured. Other varieties of Alfalfa could not compete with it for winter hardiness.

Ladak is highly resistant to the wilt disease which has been causing such great losses in the hay-producing sections. It produces a larger first cutting than any other Alfalfa and this means a larger tonnage per acre under all conditions.

It is particularly well adapted to regions where only one or two crops are produced each year because of short growing seasons or where hot, dry summers prevail. Ladak continues to grow and produces a good crop of hay when other varieties are practically at a standstill. The hay is very leafy and of high feeding value and is of exceptionally high quality.

Ladak has a large branching root system similar to that of Grimm or Cossack.

Price: Lb. 65c, 5 lbs. \$3.00, postpaid. For larger quantities see Blue Figure Price List. Write for special free circular on Ladak Alfalfa.

## GRIMM ALFALFA

Grimm Alfalfa was introduced by Wendelin Grimm in Carver County, Minnesota. It is a very hardy, time-tried variety, and has been tested thoroughly throughout the United States, in many foreign countries and Canada. It has many lateral or branching roots which are not found in common Alfalfas, and has large spreading crowns. It appears to grow better where there is a hardpan subsoil to contend with than many other varieties. The root system undoubtedly plays a big part in its hardiness, enabling it to withstand soil heaving, freezing and thawing better than varieties having only a single taproot. The blossoms are variegated from white and yellow to deep purple.

Grimm Alfalfa produced in Minnesota, the Dakotas, Montana and Idaho, is known to be very hardy. Our Minnesota Grimm is produced largely in Lake of the Woods County, near the Canadian Border. Montana or Idaho Grimm is grown in the dry-land areas and is able to withstand severe drought as well as cold. Therefore, the strains of the Grimm Alfalfa that we offer, will give you complete satisfaction. Price: Lb. 55c, postpaid. See Blue Figure Price List for Larger Quantities.

In quantities of 30 lbs. or more, Grimm Alfalfa sold in Minnesota or Wisconsin must be Registered and State Sealed.

We offer two valuable booklets, entitled, "Alfalfa in the Northwest," and "Alfalfa for Feed, Seed, and Fertility"—either one free with your order.

## VARIEGATED ALFALFA

Variegated Alfalfa is of a type very similar to Grimm with blossoms having a color range of white, yellow and purple. It is thought by many to be of the same origin as Grimm but no definite records of the origin were kept so it cannot be definitely stated from what variety it came. It has shown itself to be completely hardy in the most severe climate of Minnesota, the Dakotas and Montana and can be recommended as being very desirable for seeding in any part of northern United States where winter hardiness is essential. Price: Lb. 45c, postpaid. See Blue Figure Price List.

## Common Alfalfa DAKOTA NO. 12

This is the most commonly grown variety of Dry Land Alfalfa since it has given the best of results on all types of soil and under all climatic conditions. Our seed stocks come from fields that have been in Alfalfa many years and the plants which endure the extremes of hot summers and severe winters and dry, high altitudes are thoroughly hardy. Only a fair crop of seed of this variety was harvested because of the dry season and consequently, there will not be an oversupply. As Dakota No. 12 is always in great demand, we suggest placing your orders as early as possible. The performance of this variety has made it extremely popular in southern Minnesota, Iowa, Illinois, and other states in the mid-west and east. Price: Lb. 45c, postpaid. See Blue Figure Price List.

## MINNESOTA COMMON

This strain resembles Dakota No. 12. It is very hardy and produces large yields of quality hay. The climatic conditions under which it is grown are as severe as any found in this country and consequently only those plants that are hardy have been able to survive. We offer you seed from fields that have been established for many years and we can recommend this variety for Northern climates. Price: 45c per lb., postpaid. See Blue Figure List for quantity prices.

## COSSACK ALFALFA

Cossack Alfalfa was brought over from Siberia by Prof. Hansen of the South Dakota Experiment Station some years ago. This strain, under observance for five years in Russia, during which time not a single plant winterkilled, was proven to be absolutely hardy.

In recent years, the demand for Cossack has been increasing and there never has been sufficient seed to take care of all requirements.

Cossack Alfalfa produces a somewhat finer hay than many of the other varieties and is equally as hardy as Grimm.

Cossack Alfalfa seems to withstand intense cold, heat and drought equally well. The flowers, like those of Grimm, have a great range of colors, white, purple, yellow, striped, etc. We advise sowing 15 lbs. per acre. Price: Per lb. 50c, postpaid. See Blue Figure Price List.

We quote prices on small quantities of Alfalfa postpaid. For prices on larger quantities, see Blue Figure Price List.

F. S. & N. Co.

*The performance of Ladak Alfalfa, both in hay and seed and its style of establishing itself, make it an outstanding plant.*

*Its evenness as to size and stand, vigor and sturdiness of the plant, the uniformity in its bloom and ripening in seed, ability to stand up without lodging and yet having stems that are fine and carry lots of leaves—these are all good points.*

Carl Opsata,  
Bemidji, Minn.



Carl Opsata in a field of Ladak Alfalfa. (See testimonial.)

# Get Your Share of 1938 Cash Benefits from the New Soil Conservation Program

## Extra Pay for Helping Yourself to Greater Profits

The Agricultural Adjustment Administration has announced its 1938 Soil Conservation Program under which farmers can receive money from the Government by carrying on approved farm practices. The new plan aims to bring about enough conservation of the soil to warrant the Government paying benefits to farmers.



Goals will be set for each farm before planting time next spring. Each farmer will have a general soil-depleting goal and a soil-building goal. The farmer will know the type of soil-building practices (such as seeding legumes, liming, fertilizing, etc.) that he must follow. He will also know how many acres he can put into soil-depleting crops. Only one type payment will be made, thus making the new plan more simple than previous plans, and farmers can learn in advance of planting just how much money they can earn

in 1938. For details, see your county agent.

It cannot be too strongly emphasized that the supply of seed of hardy northern origin of the Clovers and Alfalfas is the smallest in many years. There is a great need for more acres of hay, pasture and soil-building crops, and the kinds that we list are recommended by various agricultural agencies.

In order that you may have sufficient seed for your soil-building acreage, we suggest that you place your order without delay. A down payment will hold the seed until wanted and the balance can be sent at shipping time.

The "Master Farmer" trade mark assures you of the very finest seed obtainable. Insist on "Master Farmer" brand when you buy your seed.



## MINNESOTA GROWN CLOVER SEED

Only Northern Grown Clovers can be depended upon for Hardiness

There is much complaint of worn-out soils, weeds and unprofitable crops coming from those who once secured bountiful yields and satisfactory profits when the land was new. Those who have used Clover regularly in the cropping system have no such complaints. Some kind of Clovers may be grown in practically every part of the United States. They have beneficial action on the soil and may be seeded with practically all kinds of grains. Clovers also serve as outstanding hay and pasture crops.

### MEDIUM RED CLOVER

Medium Red Clover fits better into crop rotations than any other legume. It will increase the yield of succeeding crops, besides furnishing many tons of hay of high protein content. The first crop is usually cut for hay, before it comes into full bloom. The second crop may be cut for hay or seed or turned under, to fertilize the soil.

Red Clover is a biennial which means that it will grow for two seasons only and then must be reseeded. It is adapted to any well drained soil free from acidity and is better for general northwest conditions than any other clover. It furnishes luxuriant pasture and hay for cattle but is not quite so good for horses.

Sow Red Clover at the rate of 10 lbs. per acre with small grain or flax. Use about one-half or two-thirds of a normal seeding of grain or flax so as not to smother the clover. We use a clover seed attachment to the grain drill, sowing the seed ahead of the drills and cover it lightly with a harrow. Price: Lb. 50c, postpaid. See Blue Figure Price List.

### ALSIKE CLOVER

Alsike Clover has the same soil-building properties as Red Clover, storing nitrogen in the soil, thereby increasing the yields of succeeding grain and corn crops from 25 to 50%. It is a true hardy perennial, with fiber instead of tap roots, and is not injured by thawing and freezing.

Alsike can be sown on soil that is slightly acid or sour, where lime cannot be applied, and where other clover or alfalfa will not grow. It can be sown on heavy, wet, or low soil that sometimes becomes waterlogged, and also endures drought well.

It makes better hay than Red Clover, because of its fine smooth leafy foliage. Its feeding value is nearly equal to that of alfalfa. It makes very fine pasture, as it is extremely hardy.

The seed of Alsike is very fine, therefore, only 7 or 8 pounds per acre are required. As a seed crop, it is often more profitable than Red Clover. It is cut for seed when two-thirds of the heads are ripe.

Alsike Clover has its place in the crop rotation the same as Red Clover and for best results is usually reseeded at the end of two years' growth. Price: Lb. 50c, postpaid. See Blue Figure Price List.

### MAMMOTH RED CLOVER

Extremely hardy, and valuable for fertilizing poor soil which is too low and heavy for growing Red Clover. It makes the best permanent hog pastures, seldom freezing out, and produces a large crop of hay, as much as 3 to 5 tons to the acre. Sow 5 to 6 lbs. per acre, with small grain, for plowing under. For a hay crop, sow 8 to 12 lbs. per acre. Grows on acid soil where Medium Red and Alfalfa fail. Yields again as much as Medium Red Clover, though the hay is rather coarse. Price: Lb. 50c, postpaid.

See Blue Figure Price List for Quotations on All Farm Seeds.

### WHITE CLOVER

Best for lawns and pastures. White Clover is sown mostly in mixture with other grasses, especially with Blue Grass, for lawns, golf grounds, also for pastures for sheep and cattle. It thrives best in moist soil containing lime and considerable humus, but is also grown on sandy soil which is not too loose and dry. For lawns sow 5 to 6 lbs. mixed with grass seeds, to the acre. Price: Lb. 50c, 5 lbs. \$2.25, prepaid. See Blue Figure Price List.

F. S. & N. Co.

March 18, 1937

The Grimm Alfalfa, which I purchased from you and sowed last season, gave me the best stand of all the Alfalfa I seeded. I bought \$300.00 worth of seed from several different seed houses. We sow Alfalfa the latter part of August, but on account of the dry weather I did not sow until first of October. Your seed gave us the best stand and shows the most vigorous plants.—C. L. Jury, La Harpe, Kansas.



Hardy Grimm planted on the left; non-hardy seed was planted on the right.

### TEST YOUR OWN SOIL WITH SOILTEX

Success with alfalfa, clover, sweet clover, soy beans, and other legumes, depends largely upon the condition of your soil. If it contains acid, you cannot expect a good stand. To correct acid soil condition, crushed lime rock may be spread on the land, at the rate of 1½ to 4 tons per acre.

SOILTEX enables you to determine if your soil needs lime, and how much. The test is very simple. A small quantity of soil is placed on waxed paper folded lengthwise, and the Soiltex solution dropped on one end of the soil until it is saturated. After standing a short time, the solution is drawn from the other end of the soil and its color compared with the color chart, to determine the reaction and lime requirement. Directions with each outfit, and material for 100 tests.

SOILTEX outfits are being used in agricultural colleges, by county agents, farmers. Price: \$1.00, postpaid.



Don't Experiment with Cheap Seeds of Inferior Quality—Buy "Master Farmer"

# Sweet Clover for Forage and Fertility



"Sweet Clover—The Sweetheart of the Northwest." This is the title of an interesting and valuable booklet published by the International Harvester Co. Sent free with orders for Sweet Clover upon request.

## White Blossom

Tall Biennial Sweet Clover.

This makes the rankest, tallest growth of any clover, producing the biggest hay crops and most luxuriant pastures. Because of its dense growth and the great size of its root system, it is the best soil enricher and green fertilizer. It is the best crop to grow to prepare the ground for a stand of alfalfa.

The plant looks much like alfalfa, especially when young, but the leaves are not quite as smooth, and taste slightly bitter. It forms a main stem from which the side branches grow, while in alfalfa the crown sends up numerous shoots.

Our seed is of fine quality, free from foul weed seeds, and of highest germination. Price: Lb. 30c, 5 lbs. \$1.25, postpaid. See Blue Figure Price List.

## Yellow Blossom

Dwarf Biennial Sweet Clover.

This variety grows shorter and is finer and more spreading than the white. It makes a very fine quality hay and pasture. Yellow Blossom Sweet Clover is 10 to 15 days earlier in maturing its seed, and where seasons are very short or unfavorable, there is an advantage in sowing this strain.

It can be cut for hay very early, and close to the ground, whereas the white must be cut high. It is also excellent for bees, supplementing the use of the white variety, and extending the season, on account of its earliness. Price: Lb. 30c, 5 lbs. \$1.25, postpaid. See Blue Figure Price List.



Legume crops such as Sweet Clover will be in greater demand than ever before because of increased plantings for the maintenance of fertility under the U. S. Soil Conservation Program. Sweet Clover cannot be surpassed for soil improvement due to its rapidity of growth, large tonnage produced and its comparatively low seed cost.

## Sweet Clover as a Hay or Pasture Crop

Sweet Clover is the leading crop in the United States. As a biennial legume, it fits in with any crop rotation, besides yielding a very large return of hay and pasture. Sweet Clover may grow one to three feet the first season and may be clipped for hay or pastured lightly if it makes a good growth. During the second year it grows very dense and rapidly and if cut for hay, it should be done early in the season, before the blossoms appear and the stems become woody.

Cut Sweet Clover six to eight inches above the ground. Allow the hay to wilt a few hours, then place in small cocks until it is dry enough to stack. One acre furnishes pasture for two to four cows throughout the season. Cattle rarely bloat on it.

## As a Soil Builder and Weed Control

Sweet Clover grows on clay, sandy, alkaline, or gumbo soil. It prevents drifting of shifting sandy soils. The hardpan subsoil is loosened by the heavy penetrating roots, allowing the necessary aeration and depositing large quantities of humus and nitrogen. Sweet Clover is a rank, dense grower of great value in exterminating weeds such as quack grass, thistle, etc.

Use 15 lbs. of scarified seed per acre with a nurse crop of one-half the usual seeding of grain or 28 to 35 lbs. of flax per acre. Firm the seed bed well after planting. Inoculate with Nitrugin.

## Grundy County

Dwarf Biennial Sweet Clover.

Grundy County Sweet Clover is preferred by many farmers since it does not grow quite as tall as the common White Blossom variety and it produces finer stems and a greater number of leaves, making it better adapted for hay purposes.

It matures earlier so that the hay crop can be cut before the small grain is harvested.

It produces a seed crop earlier than other varieties and this is an advantage in many localities that are subjected to early frosts. The hay cures more rapidly than the common tall variety and is very palatable.

Grundy County Sweet Clover makes an excellent pasture but it does not last as late in the season as the common tall variety. Price: Lb. 30c, 5 lbs. \$1.25, postpaid. See Blue Figure Price List.

## Hubam

Annual Sweet Clover.

Hubam is an emergency pasture and hay crop to be sown in seasons where drought, freezing injury or other adverse conditions have wiped out pastures and meadows, leaving the farmers without any definite hay prospects. Hubam is a rapid grower and once it is well established can be pastured as you would pasture the biennial varieties of Sweet Clover.

Hubam is an Annual Sweet Clover. It is best suited for the Corn Belt section. It grows from 3 to 7 ft. high. It will produce as much as 3 tons of hay per acre, cut just before blossoming time. It grows on any good non-acid soil, and should be sown alone the same rate as other sweet clovers. Hubam will produce a seed crop in this latitude, in favorable growing seasons. Price: Lb. 40c, 5 lbs. \$1.80, postpaid. See Blue Figure Price List.



# 1938 Price Reductions

AGAIN MARKS LOWEST PRICE in NITRAGIN HISTORY

Fresh Each Year—High Count

## Only 50¢

Per 1 BU SIZE ALFALFA and CLOVER

NITRAGIN

The Original Legume Inoculator

ESTABLISHED in 1898

39 YEARS OF SERVICE

NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA, all CLOVERS		LESPEDEZA	
Size	Price	Unhulled or Hulled	Price
1/2 bu. ea.	.30	1 bu. ea.	.30
1 bu. ea.	.50	2 bu. ea.	.50
2 1/2 bu. ea.	1.00	5 bu. ea.	1.00

VETCH, AUSTRIAN PEAS, CANADIAN PEAS, BEANS		PEANUTS, SOY BEANS, COW PEAS, LIMA BEANS	
Size	Price	Size	Price
1/2 bu. ea.	.25	1 bu. ea.	.30
1 bu. ea.	.40	2 bu. ea.	.50
*1 2/3 bu. (100 lb. size) ea.	.60	5 bu. ea.	1.00
5 bu. ea.	1.70	10 bu. ea.	1.60
*12 1/2 bu. ea.	4.00	*25 bu. ea.	3.00
*"100 lb." size and 12 1/2 bu. size packed only for Vetch and Peas		*25 bu. size packed only for Soy Beans, Cow Peas, Peanuts	

NITRAGIN GARDEN SIZE for Garden Peas, Beans, Sweet Peas, Lima Beans and Lupines.

Retail Price.....10c each.

BUILD UP YOUR SOIL

Inoculate Your Legumes with NITRAGIN

Make the most of your seed, soil and labor. Don't let legumes rob your soil—be sure they are soil builders!

Remember legumes NOT Inoculated are "SOIL ROBBERS" but legumes WELL Inoculated are "SOIL BUILDERS." Play Safe!

INOCULATE WITH NITRAGIN

NITRAGIN is an approved, moist soil culture—tested and guaranteed—easy to apply—packed with Billions of fresh bacteria—the cheapest legume crop insurance money can buy. Direction on every can.

With New Low Prices in 1938, you can afford to inoculate all your legumes with Nitrugin

**NITRAGIN — the Oldest and Most Widely Used Inoculator in America**

## Our Superior Varieties Pay



Rust and drought have cut the production and quality of Hard Red spring and Durum Wheats.

The milling industry demands the production of more and better wheat.

Enough wheat may be produced on fewer acres if rust and drought resistant varieties are grown. Acres planted to inferior varieties in the past, can be taken out of production and planted to a hay or soil building crop, thereby obtaining cash benefits from the Soil Conservation program.

# Quality Seed Grain

## NEW DEVELOPMENTS IN GRAIN BREEDING



Rust resistance, high yielding ability, good milling qualities make Thatcher Wheat outstanding.

## Grow Only the Best for Profit

Thatcher, Hope and Mindum Durum Wheats yield well and are profitable even under most adverse conditions.



Our seed grains have been specially bred and selected to meet adverse conditions as well as to take advantage of good growing conditions.

A down payment will hold your order until the seed is wanted, the balance can be sent when shipping instructions are given.

### THATCHER WHEAT

Rust Resistant, Registered. A Triumph of the Minnesota Experiment Station.

The newest wheat variety, Thatcher, is very rust resistant. It is beardless, very similar to Marquis, early maturing, very stiff strawed, standing up well on rich soil. Under normal conditions it yields 4 to 5 bushels more per acre than other spring wheat varieties and under conditions of rust and drought, it has yielded as high as 20 to 25 bushels more per acre.

Tests made by the Minnesota Experiment Station and by millers show that Thatcher is equal to Marquis in milling and baking qualities.

Thatcher proved its superiority over rust susceptible varieties during 1935 when the most severe epidemic of black stem rust destroyed wheat fields or left only shriveled grain. Thatcher being resistant produced a crop of good wheat having a greater value per acre than a normal crop under normal prices. Few growers thought of rust before 1935, for no severe epidemic had broken out for years. No one can tell when another will occur, so why take a chance and grow wheat that may be destroyed by rust at any time.

Since the bad rust epidemic of 1935 and the rust and drought damage in 1936, farmers everywhere turned to Thatcher Wheat. There was not enough to supply the demand in 1937, but those growers who had this wheat produced a profitable crop.

The demand will be heavier in 1938. We have a fine supply of registered seed approved by the Minnesota Crop Improvement Association and the price is much lower this year. Now is the time to get started. Take no chances of losing your entire crop again through rust or drought, plant Thatcher Wheat instead.

In 1937 Thatcher Wheat yields were reported as high as 45 bushels per acre, while many rust and drought susceptible varieties were unfit to cut or at best yielded only a few bushels of very shriveled grain.

For prices: See Blue Figure List.

### HOPE WHEAT

Rust and Smut Resistant.

Since its introduction, Hope Wheat has spread rapidly throughout the spring wheat section. It is the one variety that combines the highest resistance to black stem rust with resistance to smut, root rot, scab and other diseases. What the farmer wants is a wheat that will give good returns every year, and Hope comes nearest being that variety.

Hope Wheat is the result of a cross between Emmer (Speltz) and Marquis. It is bearded and has the desirable qualities of the Emmer parent, namely flexible straw, resistance to drought, heat, black stem rust and smut. It resists shattering by wind and hail and is well adapted for combine harvesting. From Marquis it gets its high milling quality as well as many of its plant characteristics.

Hope proved its worth in 1935, during the great rust epidemic and again in 1936 during the drought. Because it is bearded, it appears to have the ability to withstand drought better than other kinds.

For Prices: See Blue Figure Price List.

### MINTURKI WINTER WHEAT

Minturki is the outstanding hardy winter wheat. It is a high yielding bearded hard red winter variety of high milling and baking quality and good protein content. It is stiff strawed and stands up well on rich land.

For Prices: See Blue Figure Price List.

### MINDUM DURUM WHEAT

Mindum is a bearded Amber Durum variety developed by the Minnesota Experiment Station. It is the most widely grown Amber Durum Wheat and it yields more than other varieties, is somewhat resistant to rust and is stiff strawed. Yields of Durum ranging from 30 to 45 bushels per acre are not uncommon. This variety always brings a good price on the market.

For Prices: See Blue Figure Price List.

### SPRING RYE—Registered

Spring Rye should be sown more extensively. It is a great land cleaner, and for summer pasture, is much superior to winter rye. It can be grown on light and sandy soil, on land too poor for wheat, and does equally well on acid and non-acid soils.

For Prices: See Blue Figure Price List.

### ROSEN WINTER RYE

Rosen is the leading winter variety and was developed at the Michigan Experiment Station by selection from a sample of rye obtained from Russia. It became popular because of its excellent yielding ability and milling qualities which are the finest. It produces large well-filled heads and large dark green kernels.

Rosen Rye is more hardy than the hardest Winter Wheat. The straw is medium tall and stiff, which keeps the grain from being easily lodged. The variety has produced as much as 40 to 50 bushels per acre. Winter Rye may be seeded in the spring if temporary pasture is needed.

For Prices: See Blue Figure Price List.

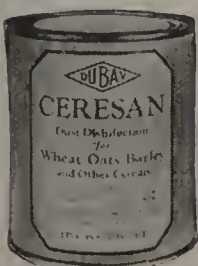
F. S. & N. Co.

Sept. 15, 1937

We bought 4 bu. of Thatcher Wheat (1936). We sowed 2 acres and got 51 bu. This year we sowed 5 acres and got 110 bu. even with only a half stand due to a wet spring and there was no rust in it. A man near Aurora sowed 36 bu. on high ground and got 720 bu. from 15 acres, weighing 59½ lbs. to the bu. It's the most wonderful wheat we ever saw. All the other spring wheat around here went 8 bu. to the acre—not fit for milling, only chicken feed.

Pahnke Bros.,  
West Chicago, Ill.  
R. 2, Box 132

## Treat Seed Grains to Prevent Smut



All seed grains including wheat, barley, oats, rye and sorghum are susceptible to smuts of various kinds which reduce the yields from 10% to 50% in many instances. Some varieties are attacked more vigorously than others, but no matter how susceptible the variety may be to smut, it can be controlled almost entirely by simple methods. Formaldehyde and Copper-carbonate have been used extensively in the past for treating smut in grains, with only fair to good results.

### The Best Treatment To Use Is New Improved Ceresan

New improved Ceresan is a dust treatment—no wet, swollen grain to handle. It may be applied with a regular seed

Price of Ceresan: 1-lb. tin 80c postpaid; not prepaid, 5-lb. tin \$3.00. Ask for circular giving full details about Ceresan.

treating machine or with a scoop shovel. A measuring spoon will be found in each can.

The grain produced has a higher market value because it is free from smut. Only one-half ounce of New Improved Ceresan is needed per bu. of seed. It is quickly and easily applied as a dust by use of a rotary seed treating machine or by the shovel method. After treating, the seed should be stored in a pile or in sacks for 24 hours before planting.

New Improved Ceresan controls stinking smut of wheat, loose and covered smut of oats, black loose smut and stripe in barley. Ceresan is inexpensive, costing only about 2c per bu. of seed. This is the lowest cost of any seed treatment on the market. By using New Improved Ceresan you may increase the yield of grain by 10% to 20% or more.

# NORTHERN GROWN SEED BARLEY



Our Smooth Awn Barleys Are High Yielding, Stiff-strawed, Easy to Handle and Most Profitable.

## QUALITY SEED BARLEY PAYS

Wherever barley institutes have been held, better malting barleys are now being grown on a large scale. As a result these varieties of uniformly sized kernels and even sprouting ability are bringing the farmers a much better price for their barley.

Malting barley must be mellow and not hard or flinty—to bring this about the grain should be allowed to ripen thoroughly. It should be plump, heavy and free from disease and mixtures. A uniform size kernel is necessary for malting, and in order to obtain this, grow only recommended varieties.

It is necessary to obtain pure seed stocks of malting barley every few years because of mixtures in planting and threshing. Be careful to get pure stocks, free from mixture with non-malting varieties of barley, oats, or wheat. It pays to buy registered recommended varieties, outstanding of which are Wisconsin No. 38, Velvet and Peatland.

We want to emphasize this is no time to increase barley acreage, but rather to improve the quality of the barley grown for market.

A down payment of 25% will hold the seed until wanted; balance may be paid at the time shipping instructions are sent.

### WISCONSIN PEDIGREE NO. 38 BARLEY—Registered

This variety was developed by the Wisconsin Experiment Station by crossing a black smooth-bearded barley with Oderbrucker which is a standard whitekerneled variety. They succeeded in obtaining a number of strains from this cross that were smooth-bearded with white heads and from these strains careful selections were made for size of heads and kernels, resistance to disease, stiffness of straw and yielding ability.

Wisconsin Pedigree No. 38 Barless Barley has the following outstanding characteristics:

**First—Smooth-bearded.** This feature makes the barley very easy to handle and because of this, it has stimulated production of barley to a great extent.

**Second—Resistance to hot weather.** This barley appears able to withstand a greater degree of heat than many other varieties of barley which are now being grown. It matures a few days later than Glabron and Velvet; but with its resistance to hot weather and long, stiff straw, it is able to stand up and develop larger kernels than some of the earlier varieties.

**Third—Yields heavily.** Wisconsin No. 38 Barless Barley has shown its ability to outyield other varieties and has produced as high as 70 bushels or more per acre. In Wisconsin tests, this variety has always outyielded any of the common barley grown in comparison with it.

**Fourth—Finest for malting.** Wisconsin No. 38 Barless Barley is greatly desired by the manufacturers of malt and will command a premium over many other varieties on the market. See Blue Figure Price List.

### Malting Barley Good Paying Crop In 1937

*Yields of 40 to 60 bu. per acre of good pure barley varieties with market value of 75c to 85c per bu. were reported for 1937. Since barley matures early ahead of most spring grains, it is out of the way before the hot, dry spells set in. The best varieties which are desired by the malsters are Wisconsin No. 38, Velvet and Peatland Barley. It pays to use good seed.*

### PEATLAND BARLEY

Peatland is a rough-awned barley which is well adapted to peat soils and in recent years has yielded well on some mineral soils also. It is particularly well adapted to the northern parts of the state and especially in the regions around Grand Rapids. In the southern part of the state it has given very outstanding results on land that is too rich to grow other barley varieties.

Peatland is classified as a satisfactory malting barley variety. It is resistant to spot blotch and stem rust diseases but is susceptible to stripe disease which may be controlled by treating with Ceresan.

In the summer of 1935 the southern part of Minnesota witnessed one of the worst scab epidemics it ever experienced. Peatland showed its value and brought good yields of high quality barley as it is highly resistant to scab. Therefore, in those regions where scab is a serious problem, Peatland Barley may be grown and a good quality malting barley produced. Barley which contains a considerable amount of scab cannot be classed as malting. For this reason much of the scabby barley produced has to be used as feed.

See Blue Figure Price List.

### VELVET BARLEY Minnesota No. 447—Registered

The demand for Velvet Barley has been steadily increasing each year since its introduction. If you have not tried this outstanding variety, we suggest that you get started with it this year, for it is one of the best smooth-bearded varieties now being grown.

Velvet originated from a cross between Luth, a rough-awned, six-rowed barley of the Manchurian type and a smooth-awned variety. It is a most excellent yielder, producing as much grain as Manchuria. The straw is quite stiff, the lodging percentage being no greater than that of other stiff-strawed varieties. Velvet appears to be more disease resistant than other varieties. With its smooth beards or awns, Velvet has a very distinct advantage over the rough-awned types since it has no barb that will stick in the clothing or get into the flesh. Therefore, it can be handled much more easily.

Velvet is in great demand by the manufacturers of malt and there is every indication that the limited supply of this variety will be quickly exhausted before planting time.

We have many excellent reports from all over the northern part of the United States about Velvet Barley. Each year many carloads of this variety are shipped into Iowa, Illinois, Indiana, Ohio, Pennsylvania and other states, and we have had many inquiries for carlot shipments into these sections during the present season.

Once you try Velvet or other smooth-bearded varieties, you will not want to change back to the rough types. We offer Velvet Barley Seed, registered by the Minnesota Crop Improvement Association which gives you assurance of obtaining the true variety of the very highest purity. See Blue Figure Price List.

## BUCKWHEAT

An excellent catch crop, which may be sown after harvesting winter wheat or rye or on newly broken ground. Its greatest value lies in the fact that it is the best and surest means of getting rid of quack grass.

**JAPANESE**—Largekerneled, dark brown and early. It is very productive, and an excellent feed for cattle and hogs. Sow from June 1 to July 1, 3 pecks to the acre.

**SILVER HULL**—A thin shelled buckwheat, with silvery grey kernels of medium size, very sound. Silver Hull is a prolific grower and heavy yielder, and makes fine buckwheat flour. Excellent for bees.

See Blue Figure Price List.

## SPELTZ or EMMER

A valuable grain belonging to the wheat family. Kernels are tightly enclosed in hulls which adhere at threshing. Speltz has a feeding value equal to oats, and only slightly less than barley and corn. It is extremely rust resistant, and will not lodge like other grains, because of its stiff heavy straw. Speltz can be grown on many kinds of soil, rich or poor, throughout Minnesota, Iowa, Wisconsin, and the Dakotas.

Speltz makes wonderful feed and is especially fine for hogs and poultry. Sow 1½-2 bushels per acre, adjusting the drill the same as for oats.

### Treat Seed Barley with Ceresan

*Use this dust treatment on seed to reduce seed-borne diseases, step-up your yield, increase your profit. Experiment Station tests by most important grain states prove its power against covered smut, black loose smut and stripe. Average yield increase in tests, 6%. May be applied as long as 3 months before sowing. Easy to use, inexpensive, doesn't damage drill or retard drilling rate. Use it this year, not only on barley but also on wheat and oats. One pound treats 32 bu. Price: 1 lb., 80c, postpaid; not prepaid 5 lbs. \$3.00. Free pamphlet. May be mailed. See page 67.*

**FIFTY YEARS  
OF SERVICE  
MUST MEAN  
DEPENDABILITY**

# The Finest Seed Oats

**GET YOUR SHARE OF  
GOLDEN  
JUBILEE  
SPECIALS**

## Early Varieties GOPHER OATS

**Minnesota No. 674—Registered**

Gopher is a white, early maturing variety with straw so stiff and strong that it does not lodge even on well-manured farm land. It is also adapted for growing on peat land. It is without any question the best oats for the rich dairy farms of southern Minnesota, Iowa and Wisconsin and unequalled for sowing with clover and alfalfa as a nurse crop.

This variety was developed by the Minnesota Experiment Station and has become widespread throughout the Northwest. Excellent reports, not only from Minnesota but from North and South Dakota, Wisconsin and Iowa, show that Gopher is still leading in yield, earliness and stiffness of straw.

The oat crop in many sections was very light, having been damaged by adverse weather conditions and the demand for seed will be quite great. Our stocks of high quality certified seed oats are reasonably large, especially the Gopher variety but with the strong demand may not last long. For Prices: See Blue Figure Price List.

## IOGOLD OATS

**Rust Resistant—Registered**

The necessary requirements for any variety of grain are yield, stiffness of straw (resistance to lodging), rust resistance and early maturity. Iogold Oats includes all of these which makes it such an outstanding variety. We have only a fair supply of high quality seed.

Iogold Oats produces heads that are spreading, erect, cream colored and very uniform. The kernels are golden yellow and larger than Iowa No. 105. The straw is coarser than Kherson and is stiffer than any other variety produced by the Iowa Experiment Station. The plants grow about three inches taller than Iowa No. 105 and ripen about the same time.

For Prices: See Blue Figure Price List.

## IOWA NO. 105 OATS

This variety was produced at the Iowa Agricultural College, at Ames, Iowa. It is very early, fine to use as a nurse crop, and is a heavy yielder.

The kernels are of medium size, light yellow, plump and heavy. The oats grow about 4 inches taller than Kherson, with stiff straw that holds up its heavy load of plump grain well. It will grow without lodging, on heavy bottom land where it is impossible to grow many other varieties. For Prices: See Blue Figure Price List.

## EARLY KHERSON OATS

One of the earliest oats in cultivation. It was introduced by the Experiment Station of Nebraska, and has proved a success in that state, being naturally adapted to sections that are subject to drought. It is a vigorous but not rank grower, producing shorter straw than other varieties, with branching heads and very broad leaves. The kernels are light yellow in color, small, but numerous, and have a very thin hull. For Prices: See Blue Figure Price List.

## Treat Your Seed Oats for Smut Control and Bigger Yields

To control destructive smuts, improve your oats stand and produce a bigger, cleaner yield—invest 5c an acre in New Improved Ceresan seed treatment. Besides giving excellent control of smut, this easy dust treatment in actual three-year tests increased the average oats yield 18%. Recommended by many State Colleges. May be applied as long as 3 months before sowing. No dust in drilling, no drill damage, no change in drilling rate. Same treatment may be used on wheat and barley. One pound treats 32 bushels. Prices: 1 lb. 70c, 5 lbs. \$3.00. Free pamphlet. May be mailed. Postage extra. See page 67.



Note the Fine Stand and Stiff Straw in this Minrus Oat Field.

## Wheat and Oats

### A Profitable Combination Crop

A profitable practice is to grow oats and wheat in combination. Yields of 50 to 60 bu. of oats and 20 to 30 bu. of wheat per acre have been reported. A combination crop returns more profit per acre than either wheat or oats separately. Use 1½ bu. of oats and ¾ bu. of wheat per acre. Thatcher and Hope grown with Minrus or Anthony Oats give the best results as they ripen about the same time. Other good combination crops are barley with early oats, wheat with flax.



Iogold—Early, Rust Resistant, High Yielding.

## Midseason and Late Varieties MINRUS OATS

**Rust Resistant—Registered**

Minrus matures about half way between Gopher and Anthony; produces white glumes and has a spreading panicle. It is about equal in height and stiffness of straw to Anthony and is highly resistant to black stem rust. It was produced by the Minnesota Experiment Station from a cross of Minota and White Russian.

Observations to date indicate that Minrus will outyield Gopher Oats on any ground except the very richest. Gopher Oats should be used on the rich soils as it is more able to resist lodging under those conditions. Minrus should be very popular on lighter soils where Gopher Oats does not get tall enough to handle well.

Minrus may be grown with varieties of spring wheat as succotash as it is a few days later than Gopher. Minrus has already met with great favor wherever tried.

## ANTHONY OATS

**Registered**

Anthony Rust Resistant Oats (Minnesota No. 686) is a new variety produced from a cross of White Russian (White Tartar) and Victory, it is a midseason type maturing about two weeks later than Gopher or Iogold and has a spreading panicle. The straw is about equal in length to Victory and is very strong. Anthony is well adapted to all types of soils but does especially well on those soils that are only moderately fertile.

It is very highly resistant to black stem rust and produces large yields while other midseason varieties, not resistant to rust, break over and yield poorly. Anthony excels in weight per bushel and yield.

Wherever it has been grown it met with instant favor and we especially recommend it for those sections where the early varieties do not seem to give the very best results.

F. S. & N. Co.

"It is a pleasure to wish you continued success on your Golden Jubilee, in view of the fact that our association with your company has always been most pleasant, and your seeds have always come up to expectations."

Joe Ryan and W. D. Yaeger,  
Mgrs. of Lt. Col. J. B. Ladd  
Farms, Springfield and Sanborn, Minn.

# MASTER HYBRID CORN

## Superior to Open Pollinated Corn because—

It resists cold, stands extreme heat. It has stiff stalks and good standing ability.

It grows rapidly and vigorously, making use of available soil moisture and fertility.

It may be harvested with a corn picker.

It yields 10 to 15 bu. more per acre.

The stalks remain green after the corn is ripe.

## How Hybrids Performed in 1937

The spring of 1937 was cold and wet; hybrids gave a better stand.

The summer of 1937 was hot and dry; hybrids withstood the heat and made good corn.

Storms caused common corn to lodge; hybrids stood straight and tall.

Soil moisture was deficient in 1937; yet hybrids grew vigorously while common corn stood still.

Hybrid varieties yielded 10 to 30 bushels more than common corn.

ALL OF OUR HYBRIDS ARE REGISTERED AND STATE SEALED.

Order Early—Our Seed Stocks Insufficient to Supply the Demand.

Free Booklet—Tells all about Hybrid Corn—Varieties Suited to Your Section.

## MINNESOTA HYBRIDS

Developed by the Minnesota Experiment Station

### Minhybrid No. 301—(ExB 164)

Developed by crossing an early Minnesota No. 13 single cross with Ried's Yellow Dent. It matures about the same time as Golden Jewel, Silver King and Minnesota Ideal and is adapted to southern Minnesota and Wisconsin, northern Iowa, southern South Dakota, and similar localities.

It has a very stiff stalk and strong root system. It grows tall, producing large, well filled ears. The stalks remain green after the corn is ripe.

Minhybrid No. 301 will produce 10 to 15 more bushels per acre than open pollinated kinds.

### Minhybrid No. 401—(ExK)

Developed from a cross between Early Minnesota No. 13, yellow and Rustler White Dent. Medium in height, leafy, producing a good sized ear of mixed yellow and white color. Yields have averaged 20% more than open pollinated kinds of the same maturity. It ripens in 95 to 100 days and is adapted to central parts of Minnesota, Wisconsin and South Dakota and may be grown farther south where early ripe corn is desired.

### Minhybrid No. 402—(ExI)

A cross between the same parent varieties as Minhybrid No. 401, the plants being slightly smaller and about five days earlier in maturity. The yield is about the same as Minhybrid No. 401, being 15% to 20% higher than open pollinated corn. It is adapted to north central Minnesota, Wisconsin, northern South Dakota and southern North Dakota.

### Minhybrid No. 403—(ExZ) Sold Out

See Blue Figure Price List.



H. H. Keeler is proud of his field of Wisconsin 90-Day Master Hybrid near Grand Rapids, Minn.



Our president, E. J. Kiekenapp, with Clem Paul inspecting a field of Minhybrid 301 at the Paul farm near Easton, Minn.

## Master Hybrid No. 2

Originated by Our Own Corn Breeder

A yellow hybrid of Golden Jewel and Reid's Yellow Dent parentage. High yielding and resistant to disease, it has a 16 to 20 rowed ear and a strong root system. Matures with Murdock; stalks remain green after the ears are ripe. Adapted to southern Minn., Wis., So. Dak., and northern Iowa.

See Blue Figure Price List.

## Round and Small Kernels Graded for Easy Planting

Round and small kernels grow vigorously and produce equal to the flat grade. You need only the proper planter plates to obtain an even stand. Your local dealer can supply you or we will get them for you to fit John Deere No. 999 or International Planters at \$1.20 per set of two, postage extra. (Weight, 2 lbs.)

Round kernels plant about 7 acres and the small kernels 9 to 10 acres per bushel.

## BEWARE of so-called Second Generation Hybrids

Corn produced from hybrids (second generation) is not suitable for seed. It is no better or perhaps not as good as open pollinated corn. "Bootleg" hybrid seed from rejected fields is also being offered by dishonorable and irresponsible parties. **Buy pure registered and state sealed hybrids. They are dependable.**



Gust Annexstad, progressive Nicollet County farmer, believes Wisconsin 110-Day Hybrid which produced better than 75 bushels per acre in 1937, cannot be beaten.

## WISCONSIN HYBRIDS

Developed by the Wisconsin Experiment Station

### Wisconsin 90 Day Hybrid

Gives very fine results in northern Minnesota and Wisconsin and North Dakota. It also may be grown in central Minnesota and Wisconsin where an early maturing variety is desired. Wisconsin 90-Day Hybrid is very high yielding and is so superior to ordinary open pollinated kinds that it will certainly pay you to give it a trial.

### Wisconsin 95 Day Hybrid

Adapted to central and north central Wisconsin and Minnesota, northern South Dakota and the southern part of North Dakota. This early variety has been known to produce as high as 80 bushels of corn per acre and can be depended upon to outyield open pollinated varieties of the same maturity.

### Wisconsin 100 Day Hybrid

Adapted to central Wisconsin, central Minnesota and northern South Dakota and out-yields Central Minnesota No. 13, Early Golden Glow, Rustler White Dent and other similar open pollinated varieties.

### Wisconsin 105 Day Hybrid

May be grown in south central Wisconsin, southern Minnesota and in the southern part of South Dakota. This hybrid ripens just a little earlier and yields as high as No. 301. In those sections where Minhybrid No. 301 seems late, the Wisconsin 105-Day Hybrid should be very satisfactory.

### Wisconsin 110 Day Hybrid

One of the best for the southern parts of Minnesota, Wisconsin, South Dakota and northern parts of Iowa, Illinois and Nebraska. It is just a few days later than Minhybrid No. 301. It has remarkable standing ability, is very uniform and extra high yielding.

### Wisconsin 115 Day Hybrid

Adapted to the extreme southern portions of Wisconsin, northern Illinois and northern and central Iowa, also northern Nebraska. Yield tests have shown this hybrid very much superior to adapted open pollinated varieties of the same maturity.

### Wisconsin 120 Day Hybrid

May be grown in the extreme southern part of Wisconsin, northern Illinois, north central Iowa, northern Nebraska, southern Michigan, northern Indiana and states of similar climate and latitude. This variety gave outstanding results in trials in northern Iowa and southern Wisconsin.

See Blue Figure Price List.

# STANDARD OR OPEN POLLINATED VARIETIES



Golden Jewel—Best for Southern Minnesota.

## GOLDEN JEWEL, Registered

Golden Jewel was introduced by us and there is no variety grown in southern Minnesota that surpasses it for yields of high quality corn and fodder. This variety is on the recommended list of the Minnesota Experiment Station. The ears are of a golden yellow color, very compact, 8-10 in. in length, 16-20 rows of medium deep, square shouldered kernels on a small red cob, and run from a moderately smooth to a slightly rough ear. It grows 8-10 ft. tall.

It is especially adapted to southern Minnesota, South Dakota, Iowa, southern Wisconsin, northern Illinois and other Corn Belt states.

## GOLDEN KING, Registered

### A Medium Early High Yielding Variety

Golden King has been grown in central and southern Minnesota and northern Iowa for many years and is highly productive, having won in a number of yield tests. This corn grows 8 ft. tall. The ears are of rich golden color, medium deep kernels, 14-16 rows, 8-9 in. in length. It is recommended by the Minnesota Experiment Station for central and southern Minnesota and is also highly recommended for northern Iowa. It ripens earlier than Golden Jewel and can be depended upon to produce a crop of ripe corn in practically any season. Golden King shows a much smaller percentage of barren stalks than any of the open pollinated varieties.

We do not hesitate to recommend it for central and southern Minnesota, South Dakota, Wisconsin, and other localities where a 100 to 105 day corn variety can be grown to advantage.

## LARGE TYPE OR SOUTHERN STRAIN MINNESOTA NO. 13, Registered

This strain has been especially selected for southern Minnesota, Wisconsin, South Dakota, northern Iowa, and similar localities. The ears are smooth, deep yellow in color, 7 to 9 inches in length, 14 to 16 rows of medium deep kernels. Stalks grow 7 to 9 feet tall and it matures in 100 to 105 days. It will produce large yields on good corn land.

## CENTRAL STRAIN

### MINNESOTA NO. 13, Registered

This was the original strain of Minnesota No. 13 and is especially adapted to central Minnesota, Wisconsin, and northern South Dakota, maturing about a week earlier than the Large Type Minnesota No. 13 or in 95 to 100 days. It is the best known open pollinated variety in central Minnesota.

## EXTRA EARLY HANEY'S STRAIN MINNESOTA NO. 13, Registered

This strain is particularly adapted for northern Minnesota and Wisconsin and North Dakota and is the earliest open pollinated yellow dent corn now being grown. Stalks grow 5 to 7 feet tall and will mature very readily in the northern areas under normal conditions and is very good for hogging off or early feeding in other sections of the Corn Belt. It matures in 85 to 90 days.

## Easy Tight Corn Shock Binder

Makes Binding Easy (See page 73)

## Don't Plant Seed Corn Of Unknown Origin

### CAREFULLY BRED SEED CORN BRINGS INCREASED PROFITS

Growing conditions in 1937 were very unfavorable in many sections of the corn belt, causing a reduction in yield and a poorer quality than usual. Nondescript varieties which had no definite origin but which were planted because the seed was cheap did not produce enough to pay for the land and labor involved.

On the other hand, farmers who grew varieties with known producing ability had enough crop to cover their costs and show a good profit. To get a good production under adverse as well as normal conditions, corn must have good breeding as well as good germination. Corn of unknown origin cannot be depended upon to produce a good crop.

Through many years of careful breeding and selection, we have improved the recommended varieties of open pollinated corn so that we offer you only the finest of seed stocks which have been carefully inspected, registered and state sealed by the Minnesota Crop Improvement Association.

When you buy our seed, you can depend upon it giving the best results and being of the proper maturity. Look for the Blue Tag and Seal of the Minnesota Crop Improvement Association which is your assurance that you are getting the genuine variety.

Seed corn prices are low. Renew your foundation stocks now.

## USE BARBAK 111 SEED CORN DISINFECTANT

See page 73



Golden King.

## EARLY MURDOCK, Registered

Murdock is a yellow dent variety quite similar to Golden Jewel in appearance except that it has fewer rows. The kernels are medium deep with a wrinkled dent. Our strain is 5 to 10 days earlier than Golden Jewel and produces high yields of very fine quality. The ears are 8 to 9½ inches long, of golden color, compact and uniform. It is primarily adapted to southern Minnesota, Wisconsin, South Dakota, also northern Iowa and Illinois. It may be grown in some parts of central Minnesota and south central Wisconsin. It matures in about 100 days from the time of planting. The yields of Murdock are only slightly less than those of Golden Jewel.

## MINNESOTA IDEAL, Registered

This splendid large eared yellow dent corn, which we introduced, is very productive. It is a standard corn variety for southern Minnesota and other states of the Corn Belt. Minnesota Ideal matures a few days later than Minnesota No. 13. Under good growing conditions the yields are very high. Minnesota Ideal has a strong, vigorous root system and stiff stalks which enable it to stand up well. It is also an outstanding silage and fodder corn, producing more tons per acre than other varieties.

## RUSTLER WHITE DENT, Registered

This is the best main white variety now being grown in central and southern Minnesota, South Dakota and parts of Wisconsin. It produces larger yields than some of the yellow varieties of the same maturity. The average height of the stalk is 8 ft., and the ears have 14-16 rows of kernels.

## NORTHWESTERN DENT, Registered

Northwestern Dent Corn is a cross between a red flint and a yellow dent, and has red kernels with light yellowish and cream shadings. No other variety is grown as extensively in North Dakota, northern Minnesota and Wisconsin as Northwestern Dent. Under ordinary conditions it matures in 80 to 85 days.

Northwestern Dent will produce high yields per acre for early corn. The ears are of good size, 7 to 9 inches long, having 10 to 14 rows of kernels. The stalks are 5 to 7 feet in height. This variety is excellent for hogging down.

Feb. 25, 1937

F. S. & N. Co.

I purchased Thatcher Wheat from you last year. It yielded 21 bushels per acre. 63 pounds per bushel of wheat, and other wheat here went from 2 to 9 bushels per acre. This wheat was seeded two weeks later than it should have been seeded and still made a dandy crop. The straw was 4½ feet tall, no rust, no smut, and it did not lodge. We only had one rain here last summer and with a good rainfall, this wheat would have made 50 bushels per acre. Am sending you a sample of this wheat.

Joe P. Thelen,  
Arago, Minn.

# FODDER CORN VARIETIES

## Ideal Silo Corn

Registered and State Sealed

An Origination of the Farmer Seed & Nursery Co.

Greatest tonnage per acre.

Ideal Silo Corn is the greatest yielder of corn for fodder purposes—for feeding green, for ensilage, and for curing in the bundle.

It is a strong, vigorous corn with stalks growing 8 to 10 feet high and broad leaves that make succulent fodder. It is not coarse like southern fodder corn and does not grow all to leaves and water; but instead has large ears 10 to 15 inches long, with medium deep yellow kernels, which become well dented, while most southern grown varieties seldom, if ever, even set an ear.

Because of its deep, vigorous root system, it adapts itself readily to unfavorable soil and climatic conditions, withstanding drought, wind and cold, wet weather equally well. During the seasons of 1936 and 1937, many reports came to us stating that if it had not been for Ideal Silo Corn, there would have been no feed produced on these farms with which to feed the livestock during the fall and winter.

In normal growing seasons, as well as in drought years, Ideal Silo Corn will produce twice as much tonnage per acre as open pollinated varieties of the same maturity. It matures in 110 days, or about the same time as Golden Jewel.

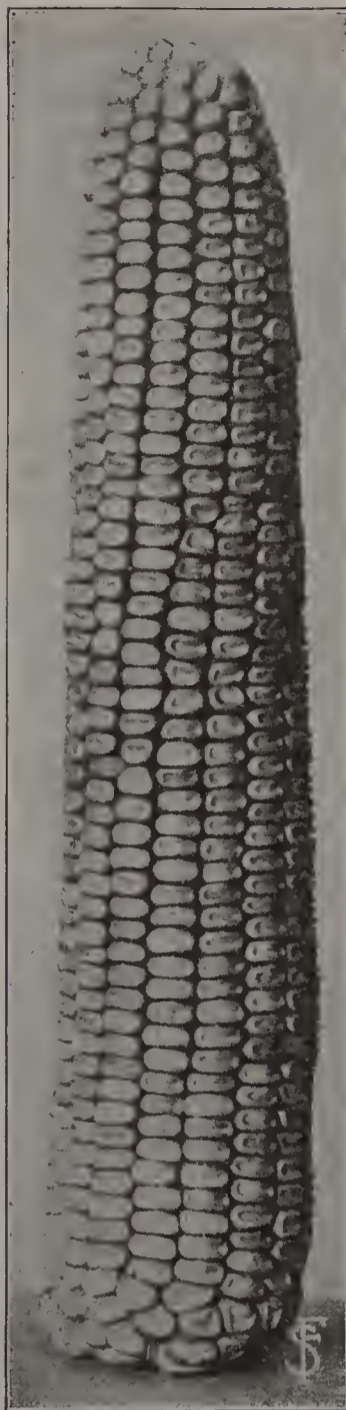
### Silos Filled with Half the Acreage of Ideal

Our customers, many of whom tried other varieties, will now plant only Ideal. Four acres of Ideal have filled silos 12x30 and five acres, silos 12x35. With ordinary corn 10 to 12 acres are required for the same size silos.

### The Demand Always Exceeds Seed Supply

We plant large acreages to Ideal Silo Corn every year, but never have enough to supply all the demand. We have a fairly good supply this year, but with the prices so low for this well selected, kiln dried, high germinating corn, we again will be sold out quickly.

So many customers were unable to get this corn because they waited until the last minute, that we earnestly urge you to order early. It is not necessary to pay the entire amount now—a down payment of 25% will hold this corn until April 1 at which time the balance is due.



Ideal Silo Corn.

BE  
SURE  
THE  
"MASTER  
FARMER"  
TAG IS ON  
EVERY  
BAG



FIFTY YEARS  
OF SERVICE  
MUST MEAN  
DEPENDABILITY



"Ideal" Produces the Greatest Tonnage.

## "Lot Tonnage" HYBRID CORN FOR SILAGE

Because of the outstanding characteristics, hybrids are well adapted for silage. Many customers have asked that we offer hybrid corn for silage because of its superiority to other kinds.

These qualities which make hybrid suitable for silage are—

1. Produces an increased tonnage of 25%; more than enough to pay the extra seed costs.
2. Does not lodge and is easily cut with a binder.
3. Grows to a uniform height.
4. Stalks and leaves stay green longer.
5. Resists cold, drought and heat.
6. Produces well-developed, uniform-sized ears.

We have a limited amount of large type hybrid corn in this special lot taken from our regular registered stock. There will be no more available when this is gone.

### "Lot Tonnage" Hybrid Silage Corn

PRICES: Flat Grade .....\$5.00 per bu.  
Small Grade ..... 4.50 per bu.  
Round Grade ..... 4.00 per bu.

Our Hybrids are State Registered and Sealed and are treated with Barbak Seed Corn Disinfectant.

## EVERGREEN SWEET FODDER CORN

A very vigorous grower, this variety will produce stalks 9 to 10 feet high. It increases the production of dairy cows. Other livestock thrive on it and make rapid gains. The stalks are sweet, tender, juicy and nutritious with large broad leaves produced in great abundance. The ears are large, having 16 to 20 rows of kernels and are white in color. There are 48 lbs. per bushel of Sweet Fodder Corn. Plant 15 to 20 lbs. per acre. Prices below.

## YELLOW DENT FODDER CORN

Standard varieties that have given our customers very good satisfaction for many years. They are heavy yielders of fodder and may be used for feeding green from the field, as well as for silo filling and for curing in shocks to be fed later in the bundle.

Early type—Stalks large, ears medium, matures in 95 to 100 days.

Late type—Stalks and ears large, matures in 100 to 110 days. Prices below.

Price—All varieties of corn except hybrids: 1 lb. 20c, 5 lbs. 70c, postpaid. Not prepaid, 1 lb. 15c, 5 lbs. 50c. For larger quantities, see Blue Figure Price List.

Dec. 13, 1937

In the spring of 1937 we planted on our farm 2 lbs. of 120-day Wisconsin Hybrid Seed Corn as a test, from the Farmer Seed and Nursery Co., at Faribault, Minnesota.

This seed produced the finest fodder and corn that we have ever grown on our farm. As a result, we are going to plant 20 acres of this corn for our silos and I firmly believe it to be outstanding as a silage crop for southern Minnesota.

Henry Adams, Supt. of Farms and Grounds,  
Shattuck School, Faribault, Minn.



Paul Pokaltus in His Field of Ideal Silo Corn.

# Flint Corn Varieties



The corn that was first grown in the Northwestern states by the Indians and early settlers were Flint varieties. They were very early and hardy, and were able to resist drought, early frost and other adverse weather conditions and still make enough growth and development to provide feed for livestock and man.

These early Flint varieties were subjected to breeding and selection, resulting in our present-day Flint corns that range from very early to medium late in maturity and are high yielding, both from the standpoint of ripe corn and fodder. At the present time Flint varieties are grown through all parts of the Northwest. They are popular in other sections where they are grown for late feed after an early crop has been taken off.

We offer only the very best varieties. Our seed stocks were produced in Minnesota and have given the best of satisfaction.

## CANADA SMUT NOSE FLINT

This variety produces ears slightly larger than Longfellow and matures a few days later, ripening in 90 to 95 days. It is a very high yielding variety, often producing 50 bushels or more per acre of well matured corn and a large tonnage of fodder. The stalks will average better than 7 feet in height and like the other Flint varieties, will bear two or three ears per stalk. The ears are 10 to 15 inches long and are very compact. They are rich golden yellow, blazed with red toward the tips. The ears are set about three feet from the ground.

Canada Smut Nose is well liked for hogging down purposes and hogs make very rapid gains on it. In the northern sections it is grown very extensively for silage and fodder.

## LONGFELLOW FLINT

This is a yellow Flint variety of rich glossy appearance. The ears grow 10 to 14 inches long on the average but often reach the length of 16 inches. They are filled with large broad kernels. It is not unusual to find three full sized ears growing on one stalk. Yields have been reported up to 50 bushels per acre. It is a producer of fine quality fodder as well as ears. The average height is about 7½ feet while the ears are set about three feet from the ground. Longfellow Flint matures in 85 to 90 days.

## RAINBOW FLINT

Rainbow Flint is a larger and later variety than the other kinds that we offer. It will mature in 100 to 110 days, about the same time as the medium early Dent varieties. It perhaps has a wider demand than some of the very early Flint varieties because it will produce a large crop of ripe corn in southern Minnesota, Wisconsin and South Dakota, also northern Nebraska, Iowa and similar localities.

Rainbow Flint produces a larger tonnage of fodder than any of the Flint varieties. It is so popular from this standpoint and also for hogging down, that we have been unable to supply the demand each season because of the limited supply of seed. This year we have some very dependable seed stocks of high germination and strictly Minnesota grown. We believe our strain of Rainbow Flint is much superior to other strains now being offered.

## KING PHILIP FLINT

This is the most popular early Flint corn that is now grown. It is red in color and has eight-rowed ears, and can be depended upon for producing a large crop of grain or fodder anywhere in the Northwest. The ears often grow 12 inches long with straight rows and broad, shiny red kernels. The stalks often have two and sometimes three good-sized ears. This variety is not nearly as hard as ordinary Flint corn. The stalks will grow 7 feet in height and are very leafy, therefore they are more valuable for fodder than some of the very early Dent corn varieties. King Philip matures in about eighty days.



CANADA SMUT NOSE.

WALLACES' FARMER & IOWA  
HOMESTEAD  
DES MOINES, IOWA

Oct. 29, 1937

Mr. E. J. Kickenapp, Pres.  
Farmer Seed & Nursery Co.

"Accept my congratulations on the fiftieth anniversary of your firm. Fifty years ago, sweet clover was a weed, red clover 'couldn't be grown' in the West, and the Corn Belt's northern border was considered to be far south of its present limits.

"We have come a long way since then and progressive firms like yours have contributed a great deal to farm development."

Donald R. Murphy, Editor.



Easy-Tight

Corn Shock Binder  
95c

Good for a Lifetime!

With the Easy-Tight you have the easiest and fastest way to draw tight the top of corn shocks and make binding simple.

The top is held tight by a simple lock on tightener which releases its hold with a slight jerk of the rope. No need of pulling the rope back out of the pulley. A wide flange on upper part of pulley prevents the rope from working out.

Corn leaves, green, wet or dry do not interfere with its operation, as the Easy-Tight has an open top on wheel.

The Easy-Tight Corn Shock Binder comes equipped with a thick rope—easy on the operator's hands. It has weight enough to be thrown around the shock and does not have to be carried. One man can operate it easily. Saves thousands of steps and is made to last.

This simple device will pay its small cost in just a few days. It is guaranteed to please you, or we do not ask you to keep it. Price: 95c, prepaid to third zone.

## Warning—Treat All Seed Corn!

Experiment Stations of the Northwestern states advise that all seed corn be treated to strengthen germination, prevent rot and insure a good stand.

We Recommend

**Barbak 111**

REG. U.S. PAT. OFF.

The Dependable Seed Corn Disinfectant



Used by many winners of National and State championships. One pound will treat enough corn seed to plant 60 acres. Increases germination and stand, and at a cost of 2½ cents an acre will insure an increase in yield, which in many cases will pay the harvesting cost. Simple to apply, directions on every package.

Price: 2-oz. packet, 20c, 4-oz. tin—(15-acre size,) 35c, prepaid. Not prepaid, 1-lb. tin (60-acre size) 75c, 5-lb. tin, \$3.25, 25-lb. drum, \$14.00.

## CROTOX Bird Repellent

Saves Seed and Replanting  
—Stops Crows, Pheasants, Larks, Starlings and other birds, as well as Squirrels, Gophers, Woodchucks, etc., from destroying planted seed.

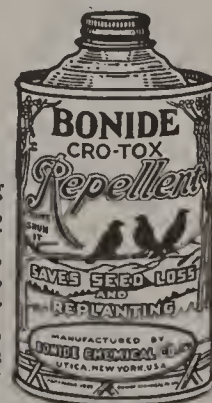
There is no further need to feed expensive seed to birds and rodents, when a few cents' worth of Crotox will keep them away. Crotox covers all smooth surface seeds with a protective repellent coating which repels seed-pulling birds and rodents. Saves labor and expense of replanting. Aids in preventing seed rot. Simple and easy to use.

½ pt. treats 1 bushel seed.....60c, prepaid  
1 pt. treats 2 bushels seed.....\$1.00, prepaid

Before Planting, Treat Seed Corn With  
**SEMESAN JR.**

Simple, Quick, Effective—Costs Only 2½c Per Acre

Our corn crops are reduced over 80 million bushels annually by diseases that are carried on the seed. Destroy these costly diseases by treating your seed corn with Semesan Jr. It destroys harmful disease organisms on the seed, protects seed from rotting in cold wet soil, makes earlier planting possible, controls seedling blight, reduces root and stalk rots, and generally increases crop yields. Use 2 ounces per bushel of seed. Prices: 4 ozs. 35c, 1 lb. 85c, prepaid.—Not prepaid 5 lbs. \$3.25, 25 lbs. \$14.00.



## Flax Is a Profitable Crop

The production of flax during the past five years has been so small that the crushers have had to import large quantities. The long haul and the high cost of transportation will force the crushing industry to move to areas closer to the source of supply, unless there is an increased acreage in the Northwest resulting in an increased production.

Flax is easily grown if planted on clean land. It will produce a large crop under good growing conditions, bringing much greater returns than can be obtained from most of the grain crops. A good flax crop will usually bring \$25 to \$30 per acre while \$20 to \$25 is a good return from a small grain crop.

The improved varieties that we offer will produce 20 to 30 bu. per acre on good soil. Because more acres will be planted to flax in 1938, the available amount of seed will be quickly used up.

We suggest placing your order without delay. A down payment of 25% will hold the seed until wanted when the balance can be sent.

## HARDY FLAX VARIETIES

In the past, Flax was considered more as a catch crop, to be planted when conditions for other crops were unsatisfactory, or after all other crops were sown. This is a very poor procedure, for Flax does best in moderately warm weather and if planted too late is usually greatly affected by heat and drought.

To obtain large crops, sow early right after grains are planted, up to about the middle of May. The earlier that Flax is sown, the better the plant will be to withstand wilt and other diseases.

We recommend wilt and rust resistant varieties.

Sow Flax at the rate of 28 to 42 lbs. per acre, depending upon the size of the seed and the condition of the land. The smaller seeded varieties such as Red Wing are seeded at the rate of 28 to 35 lbs. per acre, or slightly more if the land is somewhat weedy. Bison and Common, about 35 to 42 lbs. per acre.

Flax is an important crop, for not only is the seed utilized for oil, etc., but the straw is made into rugs, sewing materials and other items.

**BISON**—This variety comes from the North Dakota Experiment Station. It is a large seeded type both rust and wilt resistant and is exceptionally popular in the Dakotas, Minnesota and other points of the Northwest. It has already replaced many other varieties now being grown. From the yield standpoint it will produce about as much as Red Wing. Yields have been reported as high as 30 bushels per acre, but an average yield can be expected of about 20 bushels or more per acre. See Blue Figure Price List.

**RED WING FLAX**—Rust and wilt resistant. Like Bison Flax, Red Wing is outstanding for its resistance to rust and wilt. It was developed by the Minnesota Experiment Station and has proven a good yielder throughout the Northwest. The blossoms of Red Wing Flax are a lighter blue than the other varieties and the seed is somewhat lighter in color. Red Wing Flax is quite popular this season and we anticipate a good demand. See Blue Figure Price List.

**COMMON FLAX**—Under this heading are included pure flax seed varieties which have lost their identity. However, there is no question that some of this seed is of recommended varieties for in the past few years much of the flax planted has been either resistant to wilt or to both wilt and rust. We would recommend planting Common Flax on soils free from wilt.



Sudan Grass produces 3 to 4 tons of hay from one cutting.

## RAPE

### FOR QUICK PASTURE

Rape is an annual forage plant of great value, profitable in all sections of the country. It can be grown to advantage on land which has already produced an early grain crop, like oats, rye, or winter wheat.

Rape provides excellent pasture for all kinds of livestock, cattle, hogs, and sheep. It can be sown at any time during spring or summer, so a good pasture can be had whenever it is needed. Rape will prepare sheep and hogs for market better and in less time than any other forage plant.

One acre is sufficient to pasture 12 to 15 sheep from six weeks to two months, and is the ideal pasture for weaning lambs. Spring pigs can easily be brought up to 200 lbs. in weight when six months old, if fed on rape. It is a mild succulent feed for cattle, and will not flavor the milk, if the cattle are pastured properly. Stock that is being fed on rape should always have access to salt.

Two pieces of land may be seeded at once, to be used alternately, pasturing one while the other is growing. Do not graze too closely. Rape makes a good fall pasture.

**DWARF ESSEX RAPE**—The commonly grown type that has produced the finest pastures for many years. Lb. 20c, 5 lbs. 75c, postpaid. See Blue Figure Price List.

### Advantages in Sowing Rape

1. Grows wherever corn or turnips grow.
2. Provides pasture in 6 to 8 weeks' time.
3. The best forage plant for dry seasons, because of its strong, deep root system.
4. Plant alone or with grain, soy beans, Sudan Grass or cane.
5. Adds humus matter to soil when plowed under.
6. Its cheapness; sown broadcast, use 5 or 6 lbs., sown in rows, use only 3 lbs. per acre.

## Wheat and Flax as a Combination Crop

Increased yields per acre and therefore a greater profit can be made by growing our hardy varieties of Flax with Thatcher or Hope Wheat. Yields of 15 bu. of flax and 20 to 30 bu. of wheat are not uncommon with a combined seeding. When threshed, they are easily separated with an ordinary fanning mill and can be sold at highest market value because the quality of the grain is usually very good.

There is less danger of damage to either crop from disease or lodging when grown in combination. Sow about  $\frac{3}{4}$  bu. of wheat and  $\frac{1}{2}$  to  $\frac{3}{4}$  bu. (28 to 42 lbs.) of flax per acre.

Other profitable combination grain crops are wheat and oats (see page 69), and barley and early oats.

## SUDAN GRASS GROWS QUICKLY

One of the best annual forage plants ever introduced, suitable for almost any locality. Sudan Grass thrives best on rich loam, but has been successfully grown on almost every kind of soil, from heavy clay to light sand. Cold, wet soils are not suited to Sudan Grass. Sudan Grass is a sorghum, and an annual, without underground root sprouts. It grows 4 to 5 feet high in drilled seedings, and 5 to 8 feet in cultivated rows.

**DO NOT SOW SUDAN GRASS BEFORE CORN PLANTING TIME.** Like corn, it is a warm weather crop.

In favorable seasons, the growing period is long, and several cuttings can be obtained in one season. For hay it is ready to cut in 60 to 75 days, when it is in full head. It continues its growth, and in 40 to 45 days it is ready for another cutting. If Sudan Grass is grown for seed, only one crop can be harvested.

### Produces Quality Hay

Sudan Grass is an enormous yielder, producing 3 or 4 tons of hay at the first cutting. The second cutting is lighter, and the hay is much finer. Livestock of all kinds will eat the hay readily.

**CULTURE**—For a seed crop, sow 15 lbs. per acre, in drills, 15 to 20 inches apart. The crop should be harvested with a grain binder.

For hay, sow at the rate of 20 to 30 lbs. per acre, using a grain drill, and cover from one to one and one-half inches deep. Heavy seeding makes finer quality hay.

The hay crop is harvested with a regular mower, when the Sudan Grass is fully headed out. It can be cut in the morning, and if the sun is bright, it should be raked up in the afternoon of the next day. After bunching, it is placed in cocks, just the same as alfalfa. After it has been thoroughly cured, it is removed from the cocks to the barn, or stacked. Because of the large amount of juice in the stems of Sudan Grass, the leaves cure first and the hay often appears ready to stack, when it is not. Therefore, the only sure way to avoid heating, is to allow Sudan Grass to remain in cocks long enough for the stems to become dry. The leaves are retained well, and if cut at the right stage will make a bright, leafy, sweet, hay, of the very best quality.

### Plant Legumes with Sudan

Sudan Grass grown with legumes, such as soy beans, makes a well-balanced mixture for pasture, ensilage and hay. Sudan Grass grows stiffly erect, with stems strong enough to support the vines and makes harvesting easier, by keeping them off the ground. It hastens curing, by preventing the beans rotting.

Sudan Grass and soy beans, planted together, make a good hog pasture. Sow 25 to 30 lbs. Sudan Grass and the same quantity of soy beans, to the acre, drilling in the seed with a grain drill. For quickest results, sow in rows 18 to 20 inches apart, and cultivate.

Prices: Lb. 20c, 5 lbs. 75c, postpaid. See Blue Figure Price List.

**SUDAN GRASS CIRCULAR FREE**

# SOY BEANS, FIELD PEAS, VETCH

## SOY BEANS ARE VALUABLE FOR HAY, SEED OR FOR SOIL IMPROVEMENT

1. Soy Beans are easy to grow, and are valuable for soil too poor for other legumes.
2. They withstand both drought and heat well, and are not easily damaged by moisture.
3. They make a good emergency crop, as they can be sown late, after other crops fail or are harvested.
4. They deposit large quantities of nitrogen in the soil if inoculated with Nitragin, building up poor land on which clover or alfalfa cannot be grown.
5. Soy Beans as a hay crop, are higher in protein content than clover hay, or field peas and oats mixed. For dairy cattle, the hay is equal to alfalfa hay.
6. They make good ensilage grown with corn, and are also used for hog pasture.
7. They take the place of oilmeal, and are even more digestible.



This Field of Soy Beans Yielded a Heavy Crop of High Feeding Value.

### How To Grow Soy Beans

**CULTURE.** Soy Beans require about the same treatment as corn, and will grow on almost any kind of soil, shallow peat or sandy loam, and even ground containing too much alkali for corn. Do not plant Soy Beans too early, about corn planting time is right.

Soy Beans may be planted in the following manner:

1. In ordinary 6 in. rows with a grain drill, using 90 to 120 lbs. of beans per acre.
2. In 12 in. rows, using a grain drill and plugging up every other drill, using 80 to 90 lbs. per acre.
3. In 21 in. rows, using a corn planter with a bean attachment, the planter being set at the regular distance of 42 in. and the rows straddled. Plant about 70 to 75 lbs. of beans per acre.
4. Soy Beans may also be planted in rows 30, 36 and 42 in. apart and cultivated. Plant 35 to 45 lbs. of beans per acre.
5. Soy Beans may also be broadcast, using about 90 to 120 lbs. per acre.

### Soy Beans for Seed

The seed crop is quite profitable. The seeds broken or split in threshing can be fed to live-stock. For seed, the Soy Beans should be cut with a grain binder, while the dew is still on them, so they will not shatter. They can be threshed without much curing, if the seed is spread out so it cannot sprout in the bins.

### Soy Beans for Soil Improvement

Soy Beans head the list of the annual soil improvement crops. They will give a very fine yield of hay or may be turned under in the fall, thereby enriching the soil and making it mellow and easily tillable. Like other legumes, they should be inoculated with Nitragin inoculator in order to get the best development and have the greatest amount of plant food turned under. Soy Beans will be in very great demand in 1938.

### MANCHU

This variety takes the lead among Soy Beans in the Middle Western States. It is outstanding for all purposes—hay, feed, hogging down, as well as for planting with corn for the silo. It will fully mature under ordinary conditions and grows large enough to produce excellent yields of hay or a large crop of beans. A good average crop will produce 20 to 30 bushels of beans per acre.

Manchu is a robust grower of vines which stand up well and are easily cut with the corn or grain binder. This variety matures in about 100 days, being well adapted to the southern half of Minnesota, Wisconsin, South Dakota and all sections farther south. In localities where the growing season is short, Manchu is preferred for hay purposes, but an earlier variety must be grown for seed. The beans are yellow and of medium size. Price: Lb. 20c, postpaid. See Blue Figure Price List.

### HABARO—Registered

Originated by the Minnesota Experiment Station.

Habaro is the most outstanding variety for Minnesota and the Northwest. It was introduced a number of years ago, and when it became generally known that soy beans were such a profitable crop, there immediately was a demand for this variety.

Habaro is earlier than Manchu and will produce ripe beans anywhere in southern Minnesota and even in sections farther north, under good growing conditions. It is the highest yielding, yellow seeded soy bean variety, adapted to conditions such as we have in Minnesota.

Habaros stand up straight, are very leafy and produce a large tonnage of nutritious hay per acre. They may be easily cut with a grain or corn binder, and have a high oil content which makes them desired by the crushers. Habaros will produce 35 to 40 bushels of well matured beans per acre on good land under normal growing conditions. During the past few seasons we have had hundreds of requests to include the Habaro variety in our catalog, but owing to the seed shortage, we could not do so until this year. We have only a fair supply and with the great demand, these will not last long, so please order early. Price: Lb. 20c, postpaid. See Blue Figure Price List.

### MUKDEN

Mukdens were introduced a few years ago and are now being grown extensively. The reason for their popularity is due to the fact that they mature a little earlier than Manchu and Illini, grow upright and do not have a tendency to lodge. They are very leafy, produce a large tonnage of hay and a high yield of beans. The seed is yellow in color, resembling Manchu, but slightly smaller. In southeastern Minnesota and northern Iowa, Mukden is one of the most important varieties. The supply has been increased each year and still cannot keep up with the demand.

We have some of the finest Mukden Soy Beans that we have ever offered. Be sure to try this variety and determine for yourself just what they will do. Price: Lb. 20c, postpaid. See Blue Figure Price List.

### ILLINI

This excellent variety was first offered by us a few years ago and since that time has become as popular as Manchu. It is a better yielder than many other varieties, somewhat taller and with pods higher on the stem. Many growers report that it is somewhat earlier maturing than Manchu and that it produces a larger tonnage of hay or beans per acre. It is not uncommon to obtain as high as 40 bushels of beans per acre; however, the average would probably be about 25 to 30 bushels.

Illini Soy Beans are yellow, the seed being slightly smaller and rounder than Manchu. Price: Lb. 20c, postpaid. See Blue Figure Price List for larger quantities.

## Field Peas Canada Yellow CHANCELLOR—Registered

Field Peas are an important class of legumes, and should be more generally planted. Few farmers know the value of Field Peas as a hay crop and fertilizer. They fit into crop rotations well, and are better suited to conditions of the Northwest than any other annual legume, for building up worn-out soils.

Field Peas are usually grown with oats for hay, a combination equal in feeding value to clover hay. They contain more digestible crude protein and fat than alfalfa and corn.

When they are grown with oats, they are threshed together, and easily separated with a fanning mill after threshing, thereby getting two crops from one operation. Sow 2 bushels of oats to 1½ bushels of peas per acre. Drill the peas in 4 inches deep, as early as the ground can be worked. Then, 2 or 3 weeks later, sow the oats, drilling it in the other way. If the oats are sown with the peas, they grow too rapidly, and check or smother the growth of the peas. Price: Lb. 20c, 5 lbs. 75c, postpaid. For prices on larger quantities, see Blue Figure Price List.

## Vetches WINTER or HAIRY

(Also Known as Sand Vetches.)

They are leguminous plants and are especially suited to localities where winters are very severe. They make good hay, ensilage, pasture and green feed, are very valuable as a green fertilizer, and as a cover crop in orchards, preventing the washing away of the soil.

Winter Vetches may be sown with Winter Rye for a hay crop, about August 1 to 20, using 1 bushel Vetches (60 lbs.) and 1 bushel Rye per acre—they mature about the same time. Where summer pasture is desired, they may be seeded in the spring, either alone or with spring grains. Price: Lb. 25c, 5 lbs. \$1.00, postpaid.

## Sunflower MAMMOTH RUSSIAN

The production of Sunflower for ensilage and fodder is now advocated by many experiment stations. This is fairly profitable where the seasons are too short to grow other forage plants, sorghums, etc.

We do recommend Sunflower as a highly important and profitable crop for poultry breeders and farmers, for fattening hens or producing eggs. Single flower heads measure 12 to 22 inches across, containing a large quantity of seed. Price: Lb. 30c, 5 lbs. \$1.25, postpaid.



German or Golden Millet.

# MILLET and SORGHUM CANE

Although many farmers are now growing Millet regularly as a hay crop, it was not until the last few years that its value was fully appreciated as a quick-developing crop. Many find it of great value in case of crop failure of Clover and Timothy, when dry, spring weather cuts short the pasture and meadow grasses, or when there is a cold, wet spring and corn and other early sown crops are drowned out—it is then that Millet is fully appreciated.

Millet may be planted up to July 1 and even later, and still produce a crop of hay or pas-

ture. Millet hay properly handled has great feeding value and milk-producing qualities. For hay it should be cut as soon as it blooms, before the seed forms, otherwise the hay is apt to be woody. In more southern sections Millet is sown as a catch crop after the grain has been harvested. It produces the best results in warm, rich soil.

Sow broadcast, using about 40 lbs. per acre, covering seed three-quarters of an inch deep. For a seed crop, allow the Millet to ripen fully and harvest with a grain binder.

## JAPANESE MILLET—Billion Dollar Grass

Japanese Millet is one of the best forage crops we have, for feeding all kinds of livestock. It ranks high in milk-producing qualities, being rich in protein and fats. Combined with soy beans, as ensilage, it makes an ideal balanced ration, two parts of millet to one of soy beans being the right proportion.

Japanese Millet is adapted to all sections of the country; it makes more hay than any other millet, and requires less seed. It is the ideal catch crop, and may be sown any time from May to July.

For hay, cut it just before it blossoms, and cure the same as clover. It also makes good pasture, but the cattle must be accustomed to it gradually.

## FIVE REASONS FOR GROWING JAPANESE MILLET:

- 1—It grows 4 to 8 ft. high and produces 5 to 6 tons of hay per acre.
- 2—It is drought-resistant, yet can be grown on wet or poor soil not fit for other millets.
- 3—It is good for exterminating quack grass as it stools heavy.
- 4—It is cheap to sow, only 15 to 20 lbs. of seed per acre being required.
- 5—It is very palatable and is liked by all classes of livestock.

DO NOT PLANT MILLETS UNTIL THE SOIL IS WARM AND DANGER OF FREEZING IS OVER.

## SORGHUM CANE

**MINNESOTA EARLY AMBER**—The Early Amber Sugar Cane grown in Minnesota is superior to that grown anywhere else. It is the earliest strain grown, very hardy, of fine quality, and yields from 12 to 20 tons of cane per acre, according to soil conditions and cultivation. It grows 12 to 18 feet high, yielding much fodder, of good quality. Early Amber Cane and Fodder Corn are often planted together, and produce immense yields.

One acre of Early Amber Cane will produce enough to make 175 to 200 gallons of syrup, of delicious rich quality, golden yellow color.

We offer an improved strain of Minnesota Early Amber Sugar Cane which has been carefully bred for size, sugar content, and palatability. Sow 8 to 10 lbs. per acre for syrup. Prices: 1 lb. 20c, postpaid. 5 lbs. 80c, postpaid.

### DAKOTA AMBER 39-30-S CANE

Low Acid Cane Variety Developed by the South Dakota Experiment Station.

The demand for low acid content Cane of early maturity has been met by the introduction of Dakota Amber 39-30-S. It grows 55 to 68 in. tall, the stems are medium large and juicy and sweet, tillers freely, the leaves are medium in size. It is a good forage and grain producer. The following qualities make this Cane outstanding:

1. Low acid content.
2. More sugar, higher feeding value.
3. Safe as Sudan Grass.
4. Certified as to purity—uniform maturity.
5. Easy to handle.
6. A good fodder and grain producer.

Plant 5 to 10 lbs. per acre in cultivated rows or 50 to 60 lbs. per acre broadcast.

The supply of this new Cane is limited and we quote prices on small quantities only. If larger quantities are desired, write for quotations. 1 lb. 40c, 5 lbs. \$1.75, 10 lbs. \$3.00, postpaid.

## PROSO MILLETS

Sow 25 pounds per acre.

**TURGHAI PROSO**—Turghai Millet grows three feet tall and has a purple spreading head. The stems bear a wide leaf similar to corn and are not woody. It withstands considerable drought. It is a red seeded variety, like Early Fortune. Turghai has yielded from 50 to 70 bushels on heavy soil and three tons of hay per acre, outyielding other Proso Millets.

Turghai Proso Millet contains 17% protein and is one of the richest feeds for hogs, cattle, sheep and poultry. Ask for free circular.

**EARLY FORTUNE**—This seed is of a shiny reddish brown about the size of Turghai. The heads are compact. It matures rather early, growing about medium height. It is ready to harvest in 50 to 60 days after sowing.

**HOG OR BROOM CORN MILLET**—The seed is of high food value especially for poultry and hogs. It is yellowish white in color. Hog Millet is very early and drought resistant and will produce excellent yields of seed.

**WACONIA ORANGE CANE**—Grows much heavier but shorter stalks than Amber Cane and withstands storms and wet weather without lodging. It produces an outstanding quality of syrup and more of it per acre. Sow Orange Cane at the same rate as the Early Amber Cane.

**FODDER CANE**—(Southern Grown.) A profitable feed crop producing as much as 30 to 35 tons of green feed per acre. It makes good hay if cut before it grows too high. It matures later than Early Amber Cane. Sow 50 to 60 lbs. broadcast or 12 to 15 lbs. in drills per acre. Prices:—All Cane Seed (except Dakota Amber): Per lb. 20c, 5 lbs. 80c, postpaid. For larger quantities see Blue Figure Price List.

## FOXTAIL MILLETS

Sow 40 pounds per acre.

**GERMAN OR GOLDEN**—This is one of the best varieties for hay and fodder. It makes rapid, vigorous growth, often yielding 3 to 5 tons of hay per acre, on good rich soil. It grows 4 to 5 feet high, is of rather coarse appearance, and should be cut for hay before it is in full bloom. At this stage, the hay is of the best quality, and so tender it can be fed to hogs.

**HUNGARIAN**—It is about a week earlier than German or Golden Millet, and much safer for northern sections, especially if sown late in the season. It does not grow as vigorously, but the hay is of finer quality, especially good for cattle, as it is nourishing and milk producing.

**SIBERIAN**—We think this the best Millet for dry sections. It is extremely hardy, drought resistant, and about two weeks earlier than Golden Millet. It stools heavily, is very leafy, and yields enormous quantities of fine quality hay. It produces 50 to 70 bushels of seed per acre.

**COMMON**—Especially adapted for dry and light soil. It is very early, growing 3 to 4 feet high, is hardier than Golden Millet, therefore better for northern sections and unfavorable conditions, but does not yield as heavily as Golden Millet.

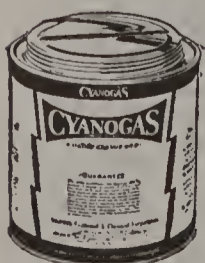
Prices on Millet: 1 lb. 20c, postpaid. For larger quantities see Blue Figure Price List.

F. S. & N. Co.

I am inclosing order for seed corn and oats. I had a bushel of Ideal Silo Corn last year. If I had had two, would have had my silo running over. Our Chinese Elms are doing fine, expect to order more this season.

Ed. Dicks, Withee, Wis.

# CYANOGAS KILLS RATS, MICE, POCKET GOPHERS, MOLES, WOODCHUCKS, ANTS.



Cyanogas is the most effective pest destroyer. It has been thoroughly tested and has given satisfaction to those who have used it.

Cyanogas A-Dust is easy to use, economical and safe and gives effective control of pests. It comes packed in airtight containers and can be handled without danger to the user. It will not deteriorate if kept in airtight tins. It is non-explosive and non-inflammable.

Cyanogas A-Dust, when exposed to the air gives off a dust that is deadly to rodents and insect pests. It kills them almost immediately. The residue, after the gas has been given off, is ordinarily slaked lime and is non-poisonous. The pests don't have to eat Cyanogas or even touch it—it gets them wherever they are.

Cyanogas A-Dust can be applied with the dusters we list on this page or with a spoon or by sifting. Full directions with each package. Write for free circulars telling how to rid yourself of these pests.

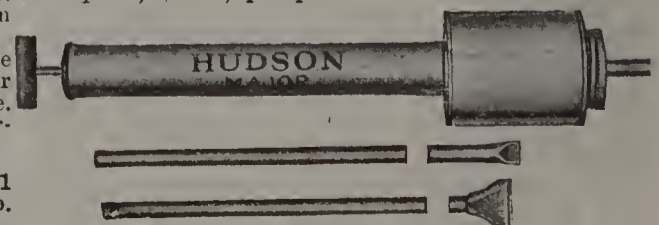
Prices: Cyanogas A-Dust—1/2-lb. can 45c, 1 lb. 75c, 5 lbs. \$3.00, 25 lbs. \$10.00, 100-lb. drum \$25.00, f. o. b. Faribault.

## MAJOR DUSTERS For Cyanogas or Insecticides

The Major Duster is especially suited for Cyanogas. It may also be used with other insecticides and fungicides in dust form.

The Duster is fitted with an air valve to keep powder from entering the pump.

Price: No. 665 Major Duster with two 12-in. extensions, two nozzles and 12-in. flexible hose complete, \$1.29, postpaid.



# Protect your Garden with Reliable INSECTICIDES



**New Bug Gun**  
Shoots to Kill  
Comes Loaded with  
**3000 Shots**

**Kill Insects the Easy, Safe Way.**

Here's exactly what you have been wanting, all in one package. A new derris, rotenone dust, which is non-poisonous, safe to use. Kills insects in the garden and house, both chewing and sucking types, including aphids, worms, beetles, mites, red spider, fleas, roaches.

Use Bug Gun on flowers, vegetables, fruits, also for lice on household pets, etc. No mixing or waiting. Bug Gun complete, loaded with dust, 35c each. Postage 9c to 3rd zone.

**APHIS SPRAY**—An improved nicotine spray suitable for the control of all kinds of aphids (plant lice), thrip, leaf hopper and many more hardy insects infesting rose bushes, flowers, shrubs, vines, bushes and trees. Mixes easily with water. Price: 3-oz. collapsible tube 40c, 12-oz. collapsible tube \$1.00, prepaid.

**ALL ROUND SPRAY**—One product which will combat blight and fungous diseases, control sucking insects and destroy chewing insects in one application. Price: ¼ lb. 35c, 1 lb. 90c, prepaid.

**Spray Guide Free on Request.**

**ARSENATE OF LEAD**—It is safest to use on tender foliage and sticks well on the leaves. Can be used as dust or spray. Price: ½ lb. 25c, 1 lb. 35c, prepaid; 4 lbs. 75c, not ppd.

**BORDEAUX MIXTURE**—Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. Price: 1 lb. 35c, prepaid; 4 lbs. 70c, not prepaid.

**"BLACK LEAF 40"**—(Sulphate of Nicotine.) Is especially recommended for killing the green aphid or lice which usually appear on sweet pea, cucumber and other vines. It can be used for spraying all kinds of plants. Price: 1-oz. bottle 40c, 5-oz. tins \$1.10, 2-lb. tins \$3.25, prepaid.

**CYANOGAS, ANT KILLER**—Special 4-oz. tin container. Simply shoot it in the nest and no more ant trouble. Price: 35c, prepaid.

**DUSTING SULPHUR**—Keep your roses free from mildew, black spot, leaf spot and other hideous fungous diseases. Acme Dusting Sulphur is a tonic for roses, chrysanthemums, phlox. Mailable. Price: 3-lb. sifter carton, each 50c, prepaid.

**EVERGREEN**—Non-Poisonous Insecticide. Effective against most other plant pests, including cucumber and melon beetles, cabbage worms, rose slugs, leaf hoppers, currant worms, etc. Safe—kills only insects—harmless to man, livestock, birds and pets. Non-injurious—Spray freely on the tenderest plants. Won't injure the ground. Price: 1-oz. bottle 35c, 6-oz. bottle \$1.00, prepaid.

**GARDEN GUARD**—A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss. For use on cabbage, cauliflower, tomato plants, melon vines and other vegetables, currants and gooseberries, flowers and shrubs of many kinds. Price: 1-lb. sifter carton 30c, prepaid.

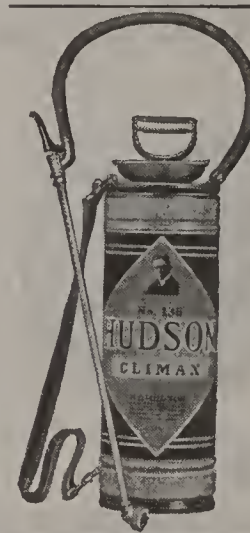
**IMPROVED GARDEN GUARD**—New formula. Non-poisonous, yet very effective. Controls most leaf-eating insects. Perfectly safe to use. Price: 1-lb. sifter top can 40c, prepaid.

**"NOK-EM-KOLD" GARDEN INSECTICIDE**—It controls cabbage and cauliflower worms, cucumber beetles and all insects infesting vine crops, berries and shrubs. Dust on while the foliage is damp with dew. Will not burn or injure plants or fruit. Price: 1 lb. 25c, prepaid. Not prepaid, 5 lbs. 85c, 10 lbs. \$1.25.

**LIME SULFUR**—Summer spraying against scab, soot, blotch, red spider and mite. Price: 1 lb. 35c, prepaid; 5 lbs. \$1.35, 10 lbs. \$2.35, not prepaid.

**SLUG SHOT**—The standard remedy for worms, rose slugs, caterpillars, cabbage worms, etc.—effective, and entirely harmless to plants. Price: 1-lb. carton, with perforated top, ready for use, each 30c, prepaid. Not prepaid, 1-lb. carton 25c, 5 lbs. 85c, 10 lbs. \$1.50.

**TOBACCO DUST**—Destroys rose slugs, lice, vine bugs, tomato worms, currant worms, cabbage lice, and the parasites of all descriptions. Apply when foliage is wet. Price: 1 lb. 30c, prepaid. Not prepaid, 1 lb. 25c, 5 lbs. \$1.10, 10 lbs. \$2.00.



**Climax**  
3½ Gallon  
Sprayer

High pressure compressed air sprayer—for insecticides, fungicides, whitewash, etc. Strongly built of galvanized iron. Built-in Nu-Eez Funnel Top—3½-gallon capacity—20 inches high—7½-inch diameter—Air-Pak pump—all-brass nozzle with 2 foot extension rod. Brass automatic shut-off valve. Fully guaranteed. Weight 9 lbs. Price: \$4.25, not prepaid.

## Dependable POULTRY REMEDIES and SUPPLIES

### Master Chick Brooder

No. 148

only

**\$14.60**



**300 to 600-chick capacity!**

A dependable brooder at low cost. Equipped with patented Hushed Flame Burner and Micro-Tem Valve, 6½ inches deep. Combustion chamber 9 inches diameter and 10½ inches long. Overall height 23 inches. Fuel tank, 6-gallon capacity.

**Extra Capacity.**

The tops of Master Chick Brooder Drums are completely covered by the canopy or hovers which confines all heat to the brooding areas by forcing it through the openings and out under the edges of the hover. This special design enables hovers on Master Farmer Brooder stove to be raised 15 inches off the floor, thus increasing the brooding area, making far better circulation of air, and taking advantage of all the heat that is developed by the stove.

This brooder will house 300 to 600 day-old chicks in buildings up to 12x12. Weight 51 lbs. Price, \$14.60. Oil tank stand, if wanted, \$1.00 extra f. o. b. Faribault.

**Baby Chicks—page 84**

### MINK'S LOUSE KILLER OINTMENT

One application keeps hens free from lice for six months. Pays its cost ten-fold in increased egg production. Wonderful remedy for head lice, on baby chicks and turkeys. If not completely satisfied, return empty box and get your money back. One box sufficient for treating 75 to 100 hens. Perfectly harmless. Price: 80c, prepaid.

**LICE POWDER**—Will successfully kill body lice on chickens, horses and cattle. It is very effective when applied to roosts, walls and crevices with a powder gun. Price: 1 lb. 30c, prepaid. Not prepaid, 1 lb. 25c, 5 lbs. \$1.00.

**PHENO-NOX TABLETS**—Valuable to use in drinking water or milk. Can be used in any kind of drinking vessel. For baby chicks, poults, and mature stock. For treatment and control of common bowel disorders. Keep in drinking vessels of all chicks and poults. Insures health and may prevent outbreak of serious troubles. Price: 50 tablets, 45c, 150 tablets, \$1.00, 300 tablets \$1.75, 500 tablets \$2.75, ppd.

**CAM-PHOR-MIST**—A spray that really stops bronchitis, brooder pneumonia, common colds, roup, or respiratory troubles. Use as preventative. Spray regularly. Don't take chances. Inexpensive and easy to use. If birds are subject to colds or roup use Cam-Phor-Mist. Price: 8-oz. bottle 60c, 16-oz. bottle \$1.00, ppd.

F. S. & N. Co.

"The 100 chicks my wife received from you last year were in perfect health and not one has died yet to this day. We never had 100% success with chicks before. Your chicks are A-1 and O. K. in every respect."

Renius Johnson,  
Deerwood, Minn.

March 20, 1937

### Nicotine Poultry Delouser

Paint the Perches. Nothing you can do for your flock will pay greater dividends.

Apply before brooding time in the spring. One pint treats 300 to 400 running feet of perches or 450 to 600 chickens.

Price: 2-oz. tubes 35c each, 5-oz. tubes, 85c each, pints \$2.00 each, quarts \$3.00 each, gallons \$8.50 each. 2 and 5-oz. packages, prepaid.

### JERMITE

\$1.00 per Gal.

1-lb. can makes  
1 gallon of Jermite  
ready to use.



### JERMITE

A poultry, tonic, appetizer and conditioner. Controls intestinal diseases and is to be used in the drinking water or feed. Especially good for baby chicks, laying hens and entire flock. 1-gallon size costs \$1.00 which saves 200% to 300% for the user. Every Package Guaranteed to Give Results.

### 4 Reasons Why Jermite Guarantees Healthy Turkeys and Poultry

- 1 JERMITE cleans the intestinal tract, removing all impurities that cause disease, sickness and worms.
- 2 JERMITE is an antiseptic and disinfectant, healing internal organs and preventing infection.
- 3 JERMITE is an appetizer, bone builder and stimulant, helping to digest food, thereby increasing growth and weight.
- 4 JERMITE is a bowel regulator, aiding the bowels to function normally, without danger of congestion or diarrhea.

Send \$1.00 for Special Jermite Trial Offer Today.  
**TIM LAKE LABORATORIES, Inc.**  
DES MOINES IOWA

## New Lawn & Garden Tools » »

### WATER LANCE \$1.70 ppd.

Waters the ROOTS of trees, shrubs and Plants.

A handy device, simple to use, that puts the water right down to the roots. Saves time—saves water. In two minutes it supplies more water to the roots than two hours of surface soaking. A tremendous water saver. Attaches to any garden hose.

Your trees and shrubs need only one good watering a week when watered from the bottom with the WATER LANCE! Watering them from the top forces the roots to grow upward—washes the soil from the base of the shrub and causes the ground to become packed and hard. Price: \$1.50. Postage, 20c. Circular free.



### LEVER SPRAY HOSE NOZZLE \$1.00 ppd



CARTER LEVER SPRAY HOSE NOZZLE

Makes sprinkling a sport—hand pressure regulates the flow—automatic shut-off when released—no leakage—no wet hands—if the telephone rings or somebody calls, just drop the hose. The Carter Lever Spray Nozzle is constructed of non-rustable metal—handsomely nickel plated. Bronze spring and knurl nut, axle and all other parts of best quality brass. It's delightfully easy to use and makes watering the garden, lawn or shrubs a pleasure. Price: \$1.00, prepaid.

## Lawn and Garden Fertilizers, Page 61

### DAN-D-LION KILLER

**KILLER KEMICAL** destroys all deep-rooted weeds without injury to the soil. Kills dandelions, thistles, plantain, buckhorn and other common weeds. Is not poisonous or inflammable. Does not stain walks or clothing. Prices, f. o. b. Faribault: 1-qt. can, weight, 3 lbs., 85c; 1/2-gal. can, weight, 5 lbs., \$1.25; 1-gal. can, weight, 9 lbs., \$2.00; 5-gal. can, weight, 42 lbs., \$8.75.

**KILLER KANE.** No stooping or back breaking. Place Kane on crown of dandelion or weed and press handle slightly. A small amount of Kemical is released and does all the work. Price, \$1.00, not prepaid. (Weight, 2 lbs.)

**KILLER KIT** (Kane and 1/2 gal. Kemical), weight, 7 lbs., \$1.95. Not prepaid. Postage on Killer Kit to third zone (300 miles), 22c.



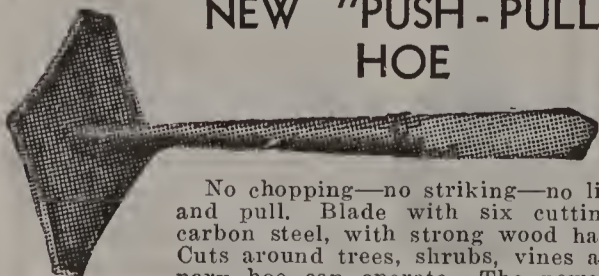
### KWIK-WORK DANDELION KNIFE



Only 35c prepaid

Just a jab and you sever the tap-root which puts an end to the dandelion. Later rake up the roots and no holes in the lawn. Made of tempered steel with 10-inch blade. Well suited for cutting asparagus. 30c nppd.

### NEW "PUSH-PULL" HOE \$1.50 ppd.



An amazingly effective hoe for weeding and mulching. Works fast—and so easy to operate—it's child's play! No chopping—no striking—no lifting. Just an easy push and pull. Blade with six cutting edges—made of high carbon steel, with strong wood handle. Easy on the back! Cuts around trees, shrubs, vines and plants where no ordinary hoe can operate. The newest time and labor saver on the market. Price: \$1.50, prepaid.

## High Grade Garden Implements

### THE NEW AMERICAN GARDENER No. G-2

A complete garden outfit for all purposes. 1—A plow for trenching; 2—A scuffle hoe or sweep for weeding; 3—A cultivator for breaking up the soil; 4—A mulcher, pulverizer or rotary hoe for pulverizing, killing weeds, stimulating plant growth and leaving a dust mulch to save moisture. It is simple, compact, easy to use and speedy. This single tool will do everything that any other tool or combination of tools will do.

The mulcher attachment is interchangeable with trenching plow. Loosen the hand wheel and turn any one of these tools into position. Fully guaranteed.

(For a seeding attachment, we recommend Midget No. 2—described below.)

Price: Complete, \$4.75, not prepaid.

4 TOOLS IN 1

\$4.75

Complete



Weight, 23 lbs.

### STANDARD No. 20 A SINGLE WHEEL CULTIVATOR



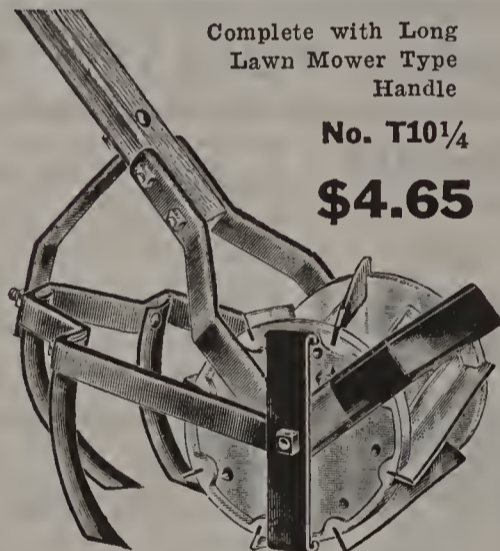
Price

\$3.10

With this tool you can get your money's worth in a few hours' work, whether you have five acres, one acre or a garden only 25 feet square. Has a strong steel wheel 24 inches in diameter, making it work easily and carrying the tool in perfect balance. The handles are quickly adjusted to suit the height of the operator or to regulate the depth desired to run attachments. The equipment includes double end shovel mold-board with landside with 5-prong cultivator (practically five tools).

Price, complete: \$3.10, not prepaid. Weight, 20 lbs.

### "TRUE TEMPER" ROTARY MULCHER-CULTIVATOR



Complete with Long  
Lawn Mower Type  
Handle

No. T10 1/4

\$4.65

A complete outfit—Mulcher, Weed Killer, Pulverizer, Cultivator.

The reel is 8 1/4 inches in diameter. The knives on the reel are 2 1/2 inches wide, so formed on the inside as to keep the reel from running deeper than it should.

The scuffle hoe is 1 1/2 inches wide, made of high carbon steel, sharpened on both edges.

The cultivator unit has three oval shovels of carbon steel, each measuring 1 1/2 inches wide by 7 inches long. They are adjustable for width of row.

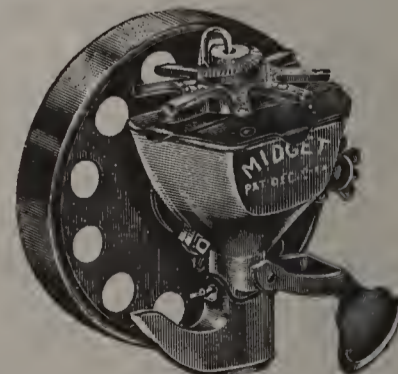
Price: No. T8 1/2, 8 1/2 inches cut; shipping weight, 17 lbs.; \$4.25.

No. T10 1/4, 10 1/4 inches cut; shipping weight, 18 lbs.; \$4.65. F. O. B. Faribault.

### MIDGET SEEDER No. 1—\$2.95

For sowing any kind of seed, from the smallest up to peas and beans, in any quantity. Will attach with one bolt to any Standard Single Wheel cultivator, or any other Single Wheel cultivator, having 5 1/2 inches or more space between shank and wheel. Shoe is adjustable for any depth and coverer swings easily. The most popular seeder on the market. If wanted for use alone, we offer it with handle.

Price: Set up, ready to be attached, \$2.95. With handle, \$3.45, not ppd. Weight, 8 lbs.

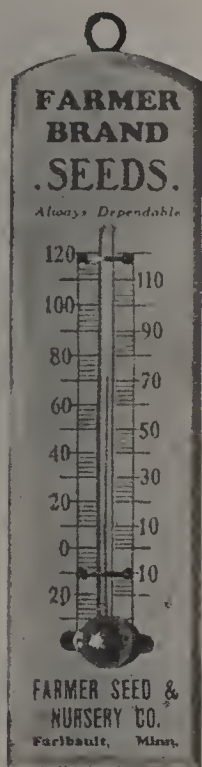


### MIDGET SEEDER No. 2—\$3.75

This perfect seeding device will hold one quart of seed. It drills accurately all kinds of seeds from radishes to peas or beans, covering at uniform depth and giving an even stand. Use this tool in combination with the new American Gardener or Standard No. 20A and you have a complete outfit that will meet every requirement of your garden from seedtime to harvest. An ideal combination with No. G-2. Not to be used alone.

Price: \$3.75, not prepaid. Shipping weight, 10 lbs.

# Up-to-date Helps for the Modern Farmer



## Home Thermometer

Let this tested thermometer help keep your home comfortable, or keep a check with it on the temperature of the barn, or out of doors. There is nothing more useful than a good thermometer and thousands of "Farmer Brand" thermometers are now in use. Price: 25c, prepaid.

## Calico Mouse Seed

Most satisfactory mouse exterminator ever sold. A natural treated seed which attracts the mice. They chew out the inside kernels and thirst then drives them out to die. No baits, no traps, no muss. "A saucer and seed is all you need." 2-oz. package, 25c, prepaid. 8-oz. package (most economical size), 50c, prepaid.

## "Black Cat" Non-Poisonous Exterminator

"BLACK CAT" RAT and MOUSE KILLER is harmless to man, domestic animals, baby chicks, poultry, dogs and cats, but kills rats, mice and gophers quickly. May be safely used around the home, barn, poultry house, warehouse or any rat or mouse infested building. "Black Cat" can be

mixed with butter, ground meat, corn meal or other food. Rats and mice will eat it readily, and it drives them outdoors to die.

GUARANTEED to kill rats, mice and gophers and nothing else, when used according to directions. Send today. 45c per package, prepaid.

## Gopher Death

A tasty morsel to gophers, ground hogs, prairie dogs, pocket gophers. Simple to use—by placing a tablet in the rodents' holes. The aroma and taste are very attractive, and sure death to gophers. Get rid of these pests—they are costing you many times the small price asked. Price: Small size 35c, medium 75c, large size (most economical), \$1.50, prepaid.

**Cyanogas Kills Rats, Mice, Gophers, Moles, Woodchucks, Ants.**  
Details on page 76.

**Save Trees from Rabbits and Mice.**  
Rabbit Repellents on page 32.

## Humane Dehorning Pencil



The value of a calf is increased \$2.00 by dehorning. The brutal method of sawing off the horns is obsolete. Check the growth of horns in young calves with our "Humane" Dehorning Pencil. One application does the work, so simple any boy can do it—does not injure the calf, is entirely painless. We absolutely guarantee satisfaction, or refund your money. Each pencil will dehorn from 10 to 15 calves, at a cost of about 4 cents per calf. We have sold "Humane" Dehorning Pencils for many years to thousands of satisfied customers. Include one with your order. Price: 50c per pencil, 3 for \$1.20, prepaid.

## Cyclone Hand Seeder only \$2.10



Grass Seed mixtures cannot be seeded to advantage with the grass seeder attachment to the grain drill because of clogging and uneven work. The Cyclone Seeder is simple, light but strong. It will sow timothy, clover, millet, and grass seeds, as well as flax, wheat, rye, oats, buckwheat, turnips, and fertilizers perfectly even. Any desired quantity, from one quart to three bushels can be sown, per acre. Canvas bag holds one-half bushel seed. Shipping weight, 4 pounds. Price: \$2.10, not prepaid.

## New One-Wire Electric Fence



Cuts Fencing Costs 80%

This One-Wire Fencer is a dependable, scientifically balanced current-limiting unit. It takes the current from an ordinary light plug (or battery) and sends a safe, reduced and interrupted current out over 10 miles of single wire fencing in any kind of weather. Your livestock, cattle, hogs, horses, etc., touch the One-Wire Fence while grazing and get a slight, harmless "tingle" that bewilders them and they never forget it. Thereafter, your livestock graze up to the One-Wire—but that's as far as they go!

Cuts Fencing Costs 80 Per Cent. A One-Wire Electric Fencer will save 80% of your time, money, materials and labor. Fence 20 acres in a day—easy to put up temporary or permanent fences anywhere. Valuable for hogging down corn—for dividing your pasture lots quickly and easily—for protecting and repairing old fences, making them hold as good as new woven wire. The cost per rod, about 8c. Needs only light stakes, instead of heavy posts.

**GUARANTEED TO FULFILL ALL CLAIMS OR MONEY BACK**

One-Wire Electric fences are guaranteed for three years when simple directions are followed. Sold on a money back guarantee if not satisfactory after 30 days trial.

**Only \$29.50 Prepaid**

6-Volt Model—Operates from hot shot battery, storage battery, or can be attached to three 2-volt cells of a farm light plant. (A hot shot battery will last 3 to 5 months.)

**PRICE INCLUDES 50 INSULATORS**

110-Volt A-C Model—Circuit is isolated from power line, and protected by double fuse. Absolutely safe.

Both types effective on driest land. Furnished with each order: 1 lightning arrester, 1 extra fuse, 1 ground strap, 1 eight-page instruction book.

Send for free descriptive circular and further information.

## Sure-Catch Pocket Gopher Trap now only 75c ppd.



Part of 104 Pocket Gophers caught in one night near Castle Rock, Minn.

**Sold on Money Back Guarantee**

Few farmers realize the losses caused by pocket gophers. Most counties pay bounties to check these farm robbers, but only recently has a trap been brought out that will really get a pocket gopher nine times out of ten. This trap is so simple and effective that the manufacturers back it with an unlimited guarantee to do the work, or you return the trap and get your money back.

The "Sure-Catch" Trap is a little over 9 inches long. Is easy to set—perfectly harmless to handle and fits into the gopher hole, half length. The trap is not covered and the gopher from within trips the trigger as he attempts to cover up the hole. Boys and girls make good money trapping pocket gophers. Price, with full instructions—75c each, 6 for \$3.95, prepaid.

## Nash Mole Trap

Recommended by U. S. Biological Survey, Wash., D. C. The Only Trap That Always Catches the Mole in All Kinds of Ground When Properly Set.



Both the choker wires are made of a single piece of metal, bent to desired form, so that they are held perfectly in place. Springs are made of one piece of best Bessemer spring steel. Clods or stones cannot prevent perfect operation. This trap catches

the mole when it comes from either direction, the pan being located between the two choker loops which are sufficiently far apart so the mole in passing will spring the trap and be caught by the loops around the forward spades or flippers. If properly set, you cannot fail with this trap. Fully guaranteed to give satisfaction or money back. Full directions for setting, also directions for preparing the skins for market, supplied with each trap ordered. Weight, 2 lbs. 2 ozs. Price: \$1.50, prepaid.

**Cyanogas Kills Moles and Pocket Gophers. See page 76.**

# BLOND PSYLLIUM

for Your Health . . .

Psyllium is a seed not intended for culture in this country—it is a native of India, but it is of greatest importance to your general health. Psyllium is a natural aid in the treatment of constipation, and a safe, harmless, non-habit forming regulator.

This seed owes its special value to its ability to supply both bulk and lubrication needed for sufficient bowel action. It gives off a gelatinous oil which produces a mild, efficient intestinal lubrication.

The seeds are taken with the meal as an accessory food in the diet. Leading physicians recommend Psyllium and it is rapidly becoming nationally known.

By direct importation we are in position to quote an exceptionally low price, so that all of our customers may keep Psyllium on hand constantly.

Send for free booklet entitled, "What a Noted Authority Has To Say Regarding Blond Psyllium Ovata in the Treatment of Constipation."

We offer triple recleaned, sterilized seed.

Price: 12-oz. pkg. 35c, 3 lbs. for 85c, 5 lbs., sufficient for two months' treatment, \$1.50, prepaid.

## Eat More POP CORN

Rich in Vitamins—Crisp and Tender

Pop Corn has a high protein content and supplies vitamins and roughage. We recommend the following varieties:

For Popping Only.

	5 lbs.
New Hybrid Jap Hulless—Extra fine.....	\$0.60
Farigold—Tender, golden kernels.....	.49
Burbank Golden Amber—Fine flavor.....	.49
Japanese Hulless—White and flaky.....	.49

Postage on five pounds to third zone, 17c.

Free  
Recipe  
Folder  
with  
Every  
Order



Nature's Own  
Remedy.

## Minnehaha Herb Tea

Native Herbs—a valuable compound of roots, herbs, leaves, seeds, barks, berries, licorice and flowers taken from Nature's fields.

Recommended as a laxative for constipation, auto-intoxication, biliousness and acid stomach, due to constipation. Also as a diuretic stimulant to the kidneys.

Nature's own remedy—contains nothing harmful or habit-forming. A vegetable laxative and stomach appetizer.

Packed in carton containing three packages—price complete, 45c prepaid.

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Leading Dealers in the Northwest  
Sell Our Standard Varieties  
of Garden and  
Flower Seeds

## LOOK FOR THE FARIBAULT SEED CASE AT YOUR DEALERS

Throughout the Northwest States thousands of dealers offer our standard varieties of Garden and Flower Seeds, and can give you prompt service.

Be sure to look for the Faribault Seed Case, and if your dealer cannot supply you, we will appreciate having you send us his name and address.

**UNCLE SAM PAYS YOU TO GROW-**



## ALFALFA

Best Permanent Results  
Can Be Expected Only from  
Planting the Hardest Strains

YOU TAKE NO CHANCE HERE

Registered and  
State Sealed  
Minn. or Idaho Grown

**GRIMM** Blue Tag  
ALFALFA

Early action will be required to secure genuine Registered and State Sealed Grimm Alfalfa, owing to the short seed crop this season. Only the hardy, dependable strains will be recognized for conservation payment by the Government. For years we have featured only the hardest strains of Minnesota and Idaho Grown Alfalfas.

Prices are now most reasonable—you will find them on the blue figure list enclosed, and full description of all of our strains on page 64 of this catalog.

SEE BLUE FIGURE PRICE LIST

Registered and  
State Sealed

**LADAK** Blue Tag  
ALFALFA

The newest of the super hardy strains—becoming immensely popular—highly resistant to wilt disease and ranking first in hay production in drought sections.

New low prices are now available, though the seed supply is still limited. See page 64 for full description, and blue figure price list for quotations—circular free.

SEE BLUE  
FIGURE  
LIST

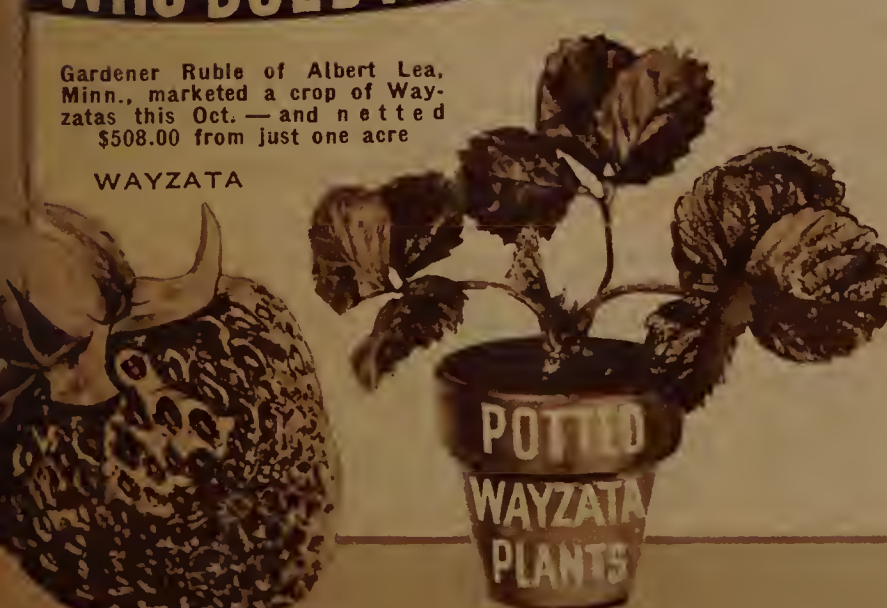


See Blue Figure Price List for Prices  
All Varieties

**WHO DOES NOT ENJOY FRESH-FROM-GARDEN STRAWBERRIES?**

Gardener Ruble of Albert Lea, Minn., marketed a crop of Wayzatas this Oct. — and netted \$508.00 from just one acre

WAYZATA



Easy  
to Grow  
Berries  
the First  
Season

**WAYZATA**

The World  
Famous  
Everbearer

You can pick fresh Strawberries until snow flies, and they will be sound, delicious, frost-resistant, red glossy berries, of fine mild flavor.

The Wayzata is a real money maker—sells on sight, and always brings a premium on the market. October crops have netted as high as \$1,000.00 per acre, gross sales. See page 31 for interesting facts.

Wayzatas now at lowest prices ever quoted.

25 plants, \$1.25; 50 plants, \$2.00; 100 plants, \$3.75, prepaid. Not prepaid—500 plants, \$13.50; 1,000 plants, \$25.00.

**SPECIAL**—Potted Wayzata Plants, with roots undisturbed, for fast growth and development—12 plants, \$1.50; 50 plants, \$3.50; 100 plants for \$6.00, prepaid.

NOW  
SOMETHING  
NEW

A Yellow Fruited Strawberry  
NEW GOLDEN CREAM

Grown from seed—fruit the first season. Delicious Alpine flavor—makes good bushy plants. A real novelty and garden surprise. Price: Pkt., 25c; 3 for 65c. Prepaid. See illustration above.

# Rare Plant Novelties

## ③ Mammoth Flowering May Daisy

*For Decoration Day Flowers*

Beautiful large white flowers, 3 to 4 inches across on tall 2 ft. stems—excellent for cutting. They multiply rapidly and roots should be divided and reset in August. A light winter covering of straw or litter is advisable. **Price: 25c each, 10 for \$2.00, prepaid. Not prepaid, 25 for \$4.50.**

## New Double Petunias

- ② **WORLD BEAUTY.** Large double fringed flowers of the most beautiful carmine-rose color. Dwarf compact plants excellent for pot plants or bedding. **Price: 35c each, 3 for 95c; Large plants, 50c each, 3 for \$1.25, ppd.**
- AFRICANA.** Deep royal purple, the flowers measure 3 to 4 inches in diameter. Plants are tall and strong, bearing from three to four dozen flowers at one time. **Price: Large plants, 50c each; 3 for 95c, prepaid.**

*See Color Illustration Page 44*

## ⑤ African Violet (Saintpaulia)

A charming little pot plant producing violet-blue flowers resembling violets. The foliage is similar to that of the Gloxinia. Blooms luxuriantly throughout the winter and early spring months. **Price: 75c each, prepaid.**

## ⑥ Korean Hybrid Chrysanthemums

*New September Flowering—Mammoth Size  
Flowers in Brilliant Colors.*

**CLIO.** Deep carmine-rose duplex flowers, produced abundantly on dwarf, compact plants.

**FORTUNA.** Vigorous plants of medium height, covered with unique, curly petaled, oxblood-red flowers 3 to 4 inches in diameter. Very striking.

**VESTA.** Plants of medium height and great vigor, literally covered with 2½-inch flowers of deep golden orange.

**Price of above, each 40c. SPECIAL, 3 plants 85c, prepaid.**

## New Pelargoniums

⑨ **MARIE VOGEL.** Red, shaded salmon with dark blotches on upper petals. Very large flowers, slightly waved. Free flowering.

⑩ **AZALEA.** Plants are so covered with flowers as to resemble the Azalea plant. Color, deep rose-pink. Plants continue in full flower for many weeks.

**Price: 35c each, 2 for 60c; 4 for \$1.00; 10 for \$2.50, prepaid. Large plants in full bloom, 75c each, not prepaid.**

## ① Golden Jubilee Lantana

A new deep yellow Lantana which blooms continuously. Very showy. A fine house plant, also suitable for hanging baskets, porch boxes, etc. **Price: 40c each; 3 for \$1.00, ppd**

## Golden Ball Feverfew

A lovely compact flowering plant, growing 8 inches high, covered with bright yellow button-like blooms of densely double formation. **Price: 20c each; 10 for \$1.65, ppd.**

## House Ferns

⑧ **BOSTON FERN.** Long, graceful drooping fronds.

**TABLE FERNS.** (Miniature.) Dwarf leafy light green fronds.

**ASPARAGUS FERN.** (Plumosis.) Fine feathery foliage.

**FEATHER FERN.** (Sprengeri.) Long drooping branches.

**WHITMANI.** Fine cut-leaf foliage.

**Price: 30c each; 10 for \$2.25, prepaid.**

**Greenhouse Size: 75c each; 10 for \$5.00, prepaid.**

## ⑫ Verbena Hybrida

**CRIMSON GLOW.** One of the finest deep red shades—plants are a solid mass of color and make a striking bed or border.

**Price: 20c each, 10 for \$1.65, prepaid.**

## Primrose

**PRIMULA OBCONTICA.** A wonderful house plant. Can be depended upon to bloom all winter. Comes in shades of deep pink and red.

**Price: Small plants from May 1st on, 25c each. Large plants from September on, 50c each, prepaid.**

## Vinca Rosea

The ideal plant for hot sunny positions where other flowering plants fail to bloom. Grows a foot high and has attractive star-like flowers of rosy purple. Blooms continuously to frost.

**Price: 20c each, 10 for \$1.65, prepaid.**

## New Blaze-o-Mums

*Now Offered in Red, Pink  
and Bronze Colors*

Planted in May, they will form bushes 18 to 24 inches across literally covered with hundreds of beautiful pompon-shaped flowers. Provide a blaze of color for the autumn garden. Plants should have a light covering of straw during the winter and early spring months.

**Price: 3 plants, one of each color, for 85c; 6 for \$1.50, prepaid.**

## Fuchsias

*New Dwarf Tree Type*

⑦ **LITTLE BEAUTY.** One of the finest everblooming Fuchsias—immensely popular. Compact plants, well branched—scarlet—violet reflex—lavender bells, single flowers.

**ELM CITY.** Beautiful single flowers, pink reflex, purple centers.

**LORD BYRON.** Free blooming, pink reflex, double bell-shape flowers.

**Price: Your choice—30c each; 4 for \$1.00, prepaid.**

# Decorative House and Bedding Plants

## Window Box and Bedding Plants

Shipment in May and June.

**AGERATUM.** New Riverside. Large feathery blue flowers blooming all season. Dwarf, compact-growing plants. Price: 15c each; 10 for \$1.35, prepaid.

**BEGONIA.** Waxy leaf. Easy to grow. Pink flowers. Continuous blooming. Price: 20c each; 10 for \$1.75, prepaid.

**COLEUS.** Handsome foliage plant, in brilliant color combinations. Price: 2 for 25c; 10 for \$1.00, prepaid.

**FUCHSIA.** Very popular old-fashioned house and window box plant. Reddish pink flowers. Price: 20c each; 10 for \$1.65, prepaid.

**LONICERA.** French Honeysuckle Vine. Golden foliage. Price: 20c each; 10 for \$1.65, prepaid.

**MARGUERITE DAISY.** Beautiful white daisy, yellow center. Height 12 to 18 in. Price: 15c each, prepaid.

**PANSY.** Large flowered varieties in all colors and shades. Price: Large size plants in flower, 60c per dozen; 3 dozen \$1.50, prepaid.

**PETUNIA.** Balcony type in pink, purple and white. Price: 15c each; 10 for \$1.35, prepaid.

**SALVIA.** Also called Scarlet Sage. Crimson flowers 12 to 18 in. tall. Blooming mid-summer to late fall. Very showy. Price: 2 for 25c; 10 for \$1.00, prepaid.

**VERBENA.** Very showy, dwarf plants, in red, pink, lavender and white. Price: 15c each; 10 for \$1.35, prepaid.

**VINCA.** The most popular vine for window boxes. Price: Strong plants 20c each; 10 for \$1.65, prepaid.

## ⑪ Firefly Plant

**CUPHEA.** When in full bloom, the dwarf, compact plants resemble a ball of fire. The flowers are delicately formed and of a fiery cerise color. An ideal pot or window box plant and splendid for borders and edging. Price: 35c each, prepaid.

## New Begonia

**INDIAN MAID.** A beautiful new house plant with striking copper colored leaves and large bright red flowers. Blooms profusely. Very easily grown and extremely attractive. Price: 35c each, prepaid.

## Plants for Cut Flowers

Twice transplanted, shipped from flats—not potted—not in bloom.

**ASTERS.** Wilt-resistant type, in pink, purple, white and red.

**LARKSPUR.** Annual. Blue flowered spikes, always popular and showy.

**SALVIA.** Also called Scarlet Sage. Crimson flowers, from mid-summer to fall.

**SNAPDRAGON.** In rose, pink and gold colors.

**VERBENA.** Brilliant flowers, in blue, pink, scarlet and rose.

**ZINNIA.** California Giants. In violet, orange, scarlet and bronze colors.

Prices: Above bedding plants—dozen, 35c; 100 for \$2.35, prepaid.

## Geraniums

Well Developed Plants in Bloom or Bud.

**LaContable.** Rose pink.

**Radio.** Most popular red.

**Madame Landry.** Salmon.

**White Queen.** Best white.

Price: 25c each; 10 for \$2.00, prepaid. Not prepaid, 25 for \$4.50.

## House Plants

To arrive in bloom for Easter, Mother's Day or Decoration Day.

**EASTER LILIES.** Plants shipped in bud, timed to open for Easter. Average size plants, \$1.00; larger plants, \$1.50 each, not prepaid.

**BABY RAMBLER ROSES.** To arrive in mass of buds and blooms. These may be planted out of doors after blooming and will continue to bloom throughout the summer and fall. Average size plants \$1.00, larger plants \$1.50. Not prepaid.

**BEGONIAS, Rex.** With outstanding, large, brilliant foliage. Always showy, easy to grow. Price: 35c each; 10 for \$2.50, prepaid.

**FRENCH HYDRANGEA.** Beautiful, ball-shaped flowers in pink, red and blue shades. To arrive in bloom. Price: Average size plants \$1.00, larger plants \$1.50. Not prepaid.

**LANTANAS.** Bronze, pink and orange flowers. Price: 20c each, 10 for \$1.65, prepaid.

**PETUNIA, California Glants.** Immense double flowers in brilliant shades of rose, lavender and red. Bloom from April to fall. Price: 35c each; 10 for \$2.25, prepaid. Not prepaid, 25 for \$5.00.

**SNAKE PLANT (Sanseveria).** Decorative foliage plant which stands downright neglect and hardship as nothing but frost and continuous drenching with water seems to hurt it. 30c each, 10 for \$2.25, prepaid.

## ⑬ Chinese Evergreen

(Aglaonema modestum)

This plant thrives in hallways or room corners where other house plants fail, as it has no use for direct sunlight. It is slow growing and long lived. The large, glossy, dark green leaves grow on the top of the stalk with rarely a side shoot. By placing them sideways in the pot, stalks may be encouraged to grow in interesting and grotesque curves. Price: 50c each, prepaid.

## ⑭ New Super-Branching Ivy

The most popular ivy for house culture. Of vigorous growth, the plants are dense and bushy, soon filling an average size flower pot with 12 or more lovely vines. Entirely new in form, this small-leaved English Ivy in no way resembles the old scraggly Ivy, and has become very popular. 35c each, prepaid.

# MASTER QUALITY BABY CHICKS

## Offered in Three Grades!

Our Utility Grade represents the regular run of chicks—from select flocks. All are strong and healthy, and owing to exceptionally low prices we quote per 100 chicks only, regardless of quantity.

## Commercial Grade "AA"

This grade is from healthy pure bred flocks of high egg producing strains. These flocks have been carefully culled for type and production and are well mated and blood tested. The chicks in this grade are big husky fellows equipped to turn feed into dollars. They are above the average and the low price we have on them does not mean we have sacrificed quality.

The latest and most improved methods of Blood Testing have been used in testing the parent stock of both grades.

READ OUR GUARANTEE (See Below)



BIG HUSKY CHICKS EQUIPPED TO  
TURN FEED INTO DOLLARS

## Special Mating Grade

Our Special Mating chicks are what we term EGG-BRED Chicks. The parent stock have passed the test for type, color, vigor, vitality and productiveness. Breeding alone does not insure vigor, strength and egg-laying records in your flock. However, fine breeding plus fine care will insure fine results. Thousands of dollars have been spent in breeding, culling and testing these flocks, in order that you may have better chicks.

The small additional cost of this grade is one of the best investments you can make. We have kept the price as low as possible on Special Mating Chicks to encourage more orders for this grade. We are even making it possible for you to obtain these Special Mating Chicks at the price of Commercial grade chicks by sending in the full amount with your order and by sending your order early.

We hope that you can take advantage of this offer and get these fine chicks.

## HERE ARE THE PRICES POSTAGE PAID

USE ORDER BLANK BELOW	UTILITY GRADE PER 100 ONLY	Commercial Grade "AA"				Special Mating Chicks			
		50	100	300	500	50	100	300	500
Big Type White Leghorn Heavy Mixed	7.90	4.95	9.25	27.00	44.00	6.25	11.90	35.00	58.00
Barred Rocks R. I. Reds Buff Orpington White Wyandotte Buff Rocks White Rocks	8.90	(No orders filled for less than 50 chicks.)				6.50	12.25	36.00	59.00
White Giants	10.50	6.50	12.00	35.00	57.50	6.95	13.00	37.95	62.50
<b>SEXED CHICKS</b> White Leghorn, only		9.45	18.50	54.00	90.00	9.85	20.00	58.50	95.00
<b>ASSORTED CHICKS</b> Mixed, light & heavy	7.00	3.90	7.50	21.25	34.90	4.25	8.50	24.75	39.90
<b>LIGHT COCKERELS</b> (All Leghorn) — \$3.90 per 100, Minimum order 100									

## No Money Needed with Order

We ship C. O. D. prepaid, parcel post or express; orders up to 200 shipped by parcel post; over 200 shipped by express, unless otherwise requested. We ship from different states and will fill your order from our nearest shipping point where we can send the breed ordered on the date desired. **Order your chicks early to avoid disappointment;** you need not pay one cent until you receive them.

Why not send in  
your order today?

## SPECIAL CASH OFFER

We give C. O. D. orders the same careful attention we do the cash orders, but C. O. D. orders make extra work and expense for us. If you send the full amount with your early order, we will send you Our Special Mating chicks at the price of the Commercial Grade "AA" chicks.

## Replacement Guarantee

We guarantee 100% live delivery. All chicks in the Utility and Grade "AA" groups, which die during the first 10 days, will be replaced at half price. All SPECIAL MATING CHICKS, which die during the first two weeks, will be replaced at one-half price. All claims must be made PROMPTLY. We cannot be responsible for loss by fire, accidents, rats or negligence.

## SPECIAL BABY CHICK—ORDER BLANK

QUANTITY	BREED	GRADE	WHEN TO ARRIVE
	Give First and Second Choice		

Amount of Remittance	NAME .....
Send C. O. D. ....	POST OFFICE..... ROUTE.....
	EXPRESS STATION..... STATE.....

# ORDER NOW

# Jubilee Dinner Table Beauties

## Peas

### No. 501—QUITE CONTENT

Extra quality late pea. Longest and largest pods. Very profitable for market; very productive. Height 4 feet. Pkt. 8c; 1/2 lb. 20c; lb., 35c. Prepaid. Page 21.

## Lettuce

### No. 327 EARLY CURLED

First of the season; always dependable. Light green leaves, broad, frilled, non-heading, crisp and tender. Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. \$1.00. Prepaid. Page 15.

## Tomato

### No. 618—SCARLET DAWN

Gold medal winner and best main crop variety. Thick, solid meat, scarlet color, globular, smooth and very productive. Pkt. 10c; 1/2 oz. 25c; oz. 40c; 1/4 lb. \$1.10. Prepaid. Page 26.

## Muskmelon

### No. 357—SUGAR ROCK

The most popular for home or market. Distinct flavor—sweet as honey. Weight 4 lbs. Coarse netting. Pkt. 5c; oz. 15c; 1/4 lb. 30c. Prepaid. Page 16.

## Carrot

### No. 170 F. S. & N. Co.'s SUPERIOR MARKET

Most handsome bunching Carrot. Slender, long, smooth roots. Attractive color and fine quality. Pkt. 8c; oz. 12c; 1/4 lb. 30c. Page 9.

## Ornamental Gourds

### No. 1393

Very popular for table decorations, and children's toys. Useful for covering fences and borders. Fruits are quaintly marked and oddly shaped. Easily grown. Assorted small varieties. Pkt. 10c; 1/2 oz. 20c. Page 52.

## Cauliflower

No. 166—SUPER SNOWBALL  
Earliest real quality Cauliflower. Pure white, attractive heads; of even maturity. The finest of Danish-grown strains. Pkt. 15c; 1/4 oz. 50c; 1/2 oz., 90c. Prepaid. Page 11.

## 7 Dinner Table Beauties Collection

One packet each these  
7 exceptional varieties.  
(Value 61c).

ALL  
FOR **48¢**  
PREPAID



MINHYBRID No. 301

## Master Hybrid SEED CORN

(Certified)

Best adapted strains for your locality—including Minnesota and Wisconsin Experiment Station varieties—all **certified** and **state sealed**. Let increased yields pay the seed cost and growing expense. Buy direct from growers at lowest prices. See page 70.

Special Hybrid Seed Corn booklet free. Order early.



## THATCHER WHEAT Rust-Resistant

(Certified)

Most profitable variety grown—withstands black-stem rust—is beardless—stiff in straw. Produces 4 to 5 extra bushels per acre. See page 67.

## CERTIFIED IDEAL SILO CORN

Fills silos with half the usual acreage—thrives everywhere. Produces an abundance of fodder and matures a large ear of corn. See page 72.



## REED CANARY GRASS

(Phalaris  
Arundinacea)  
tiff

(Minnesota Grown—)

The famous hardy perennial grass, producing 4 to 6 tons of valuable hay per acre. Thrives on low wet soils—easy to establish. See page 63.



IDEAL SILO CORN

SEE BLUE FIGURE PRICE LIST FOR PRICES

Farmer Seed & Nursery

, Faribault, Minn.